

FIG. 1

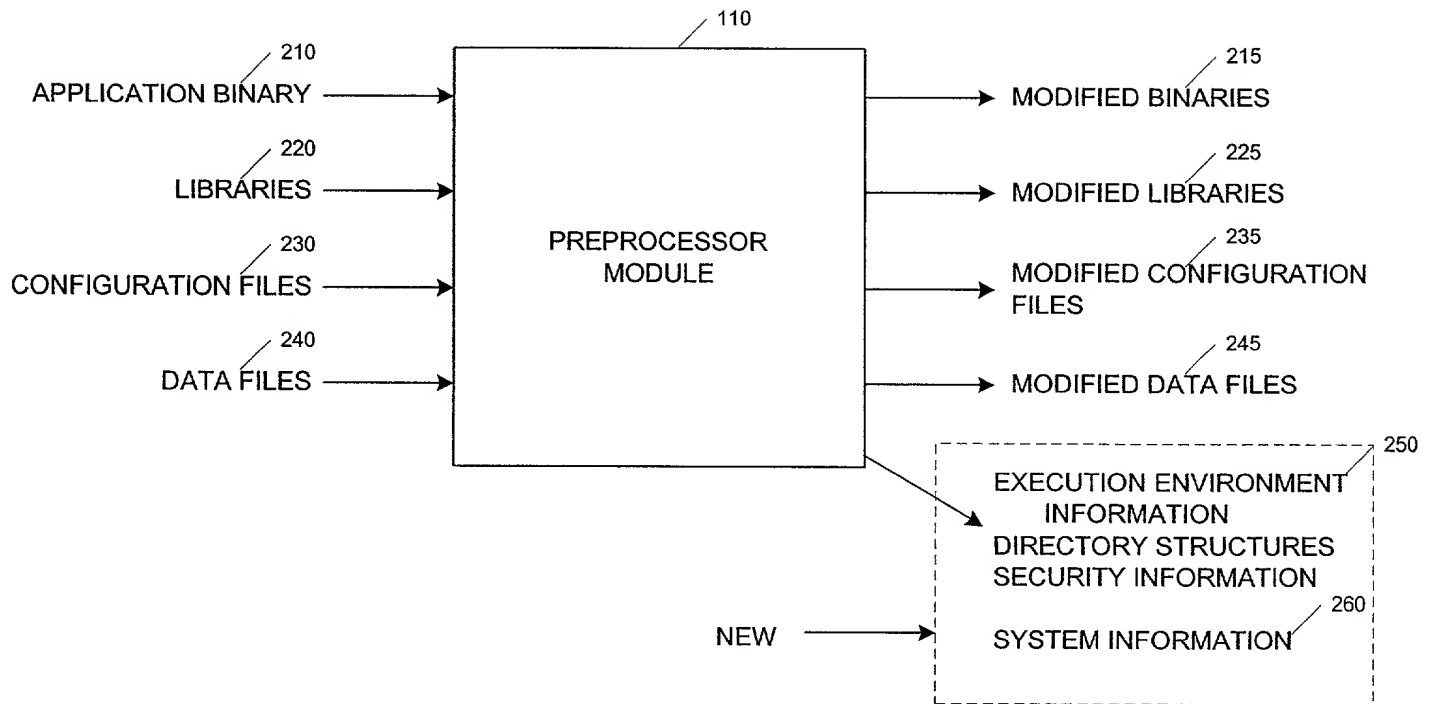


FIG. 2

NORMAL EXECUTION

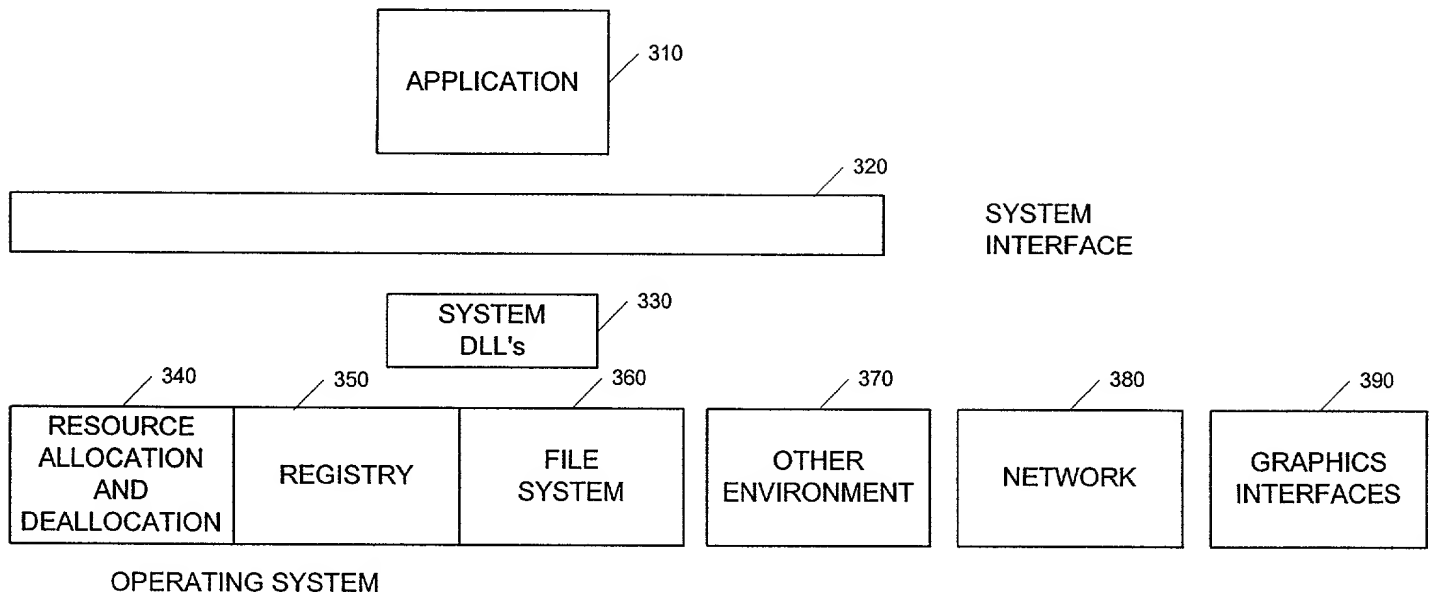


FIG. 3

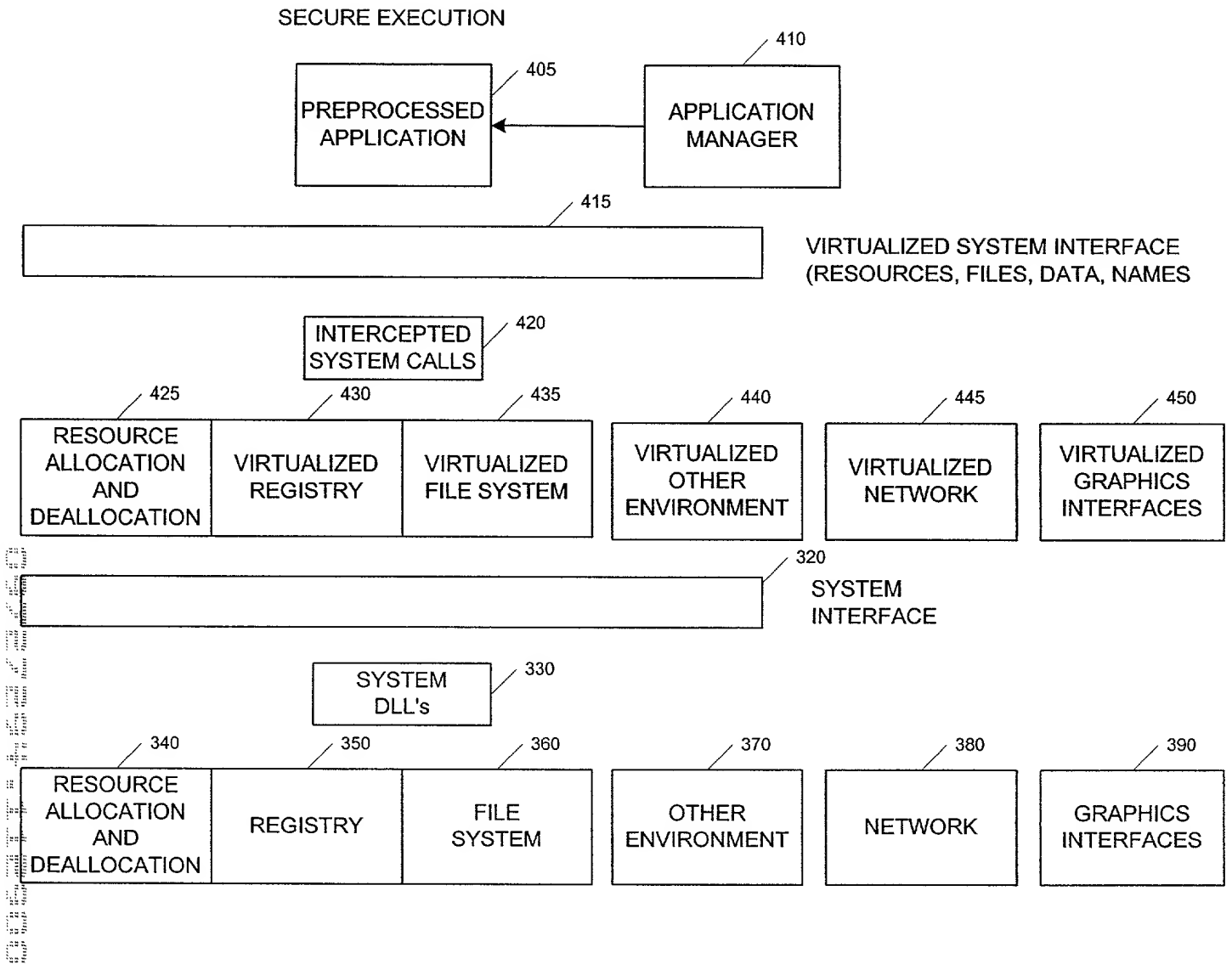


FIG. 4

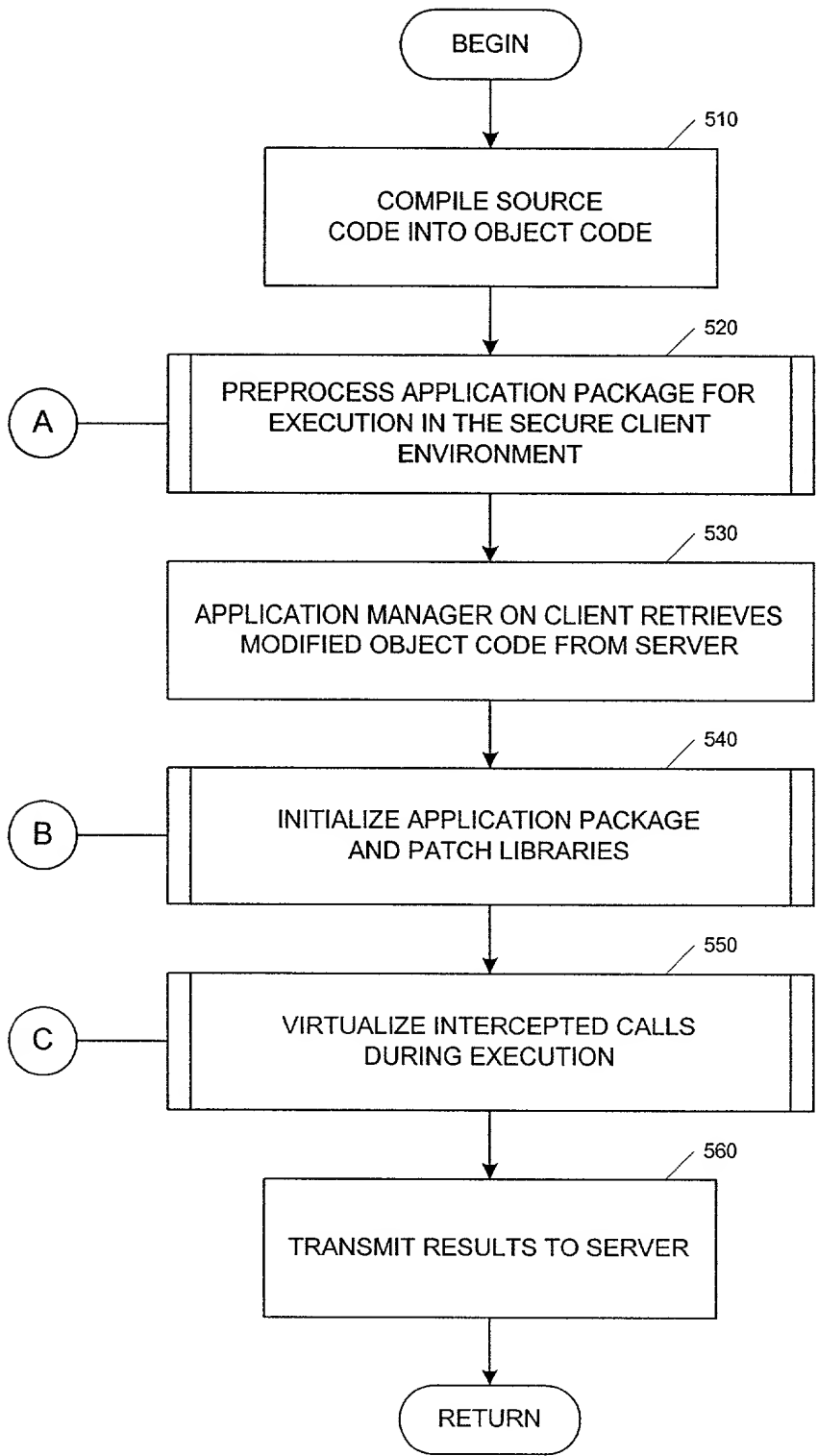


FIG. 5

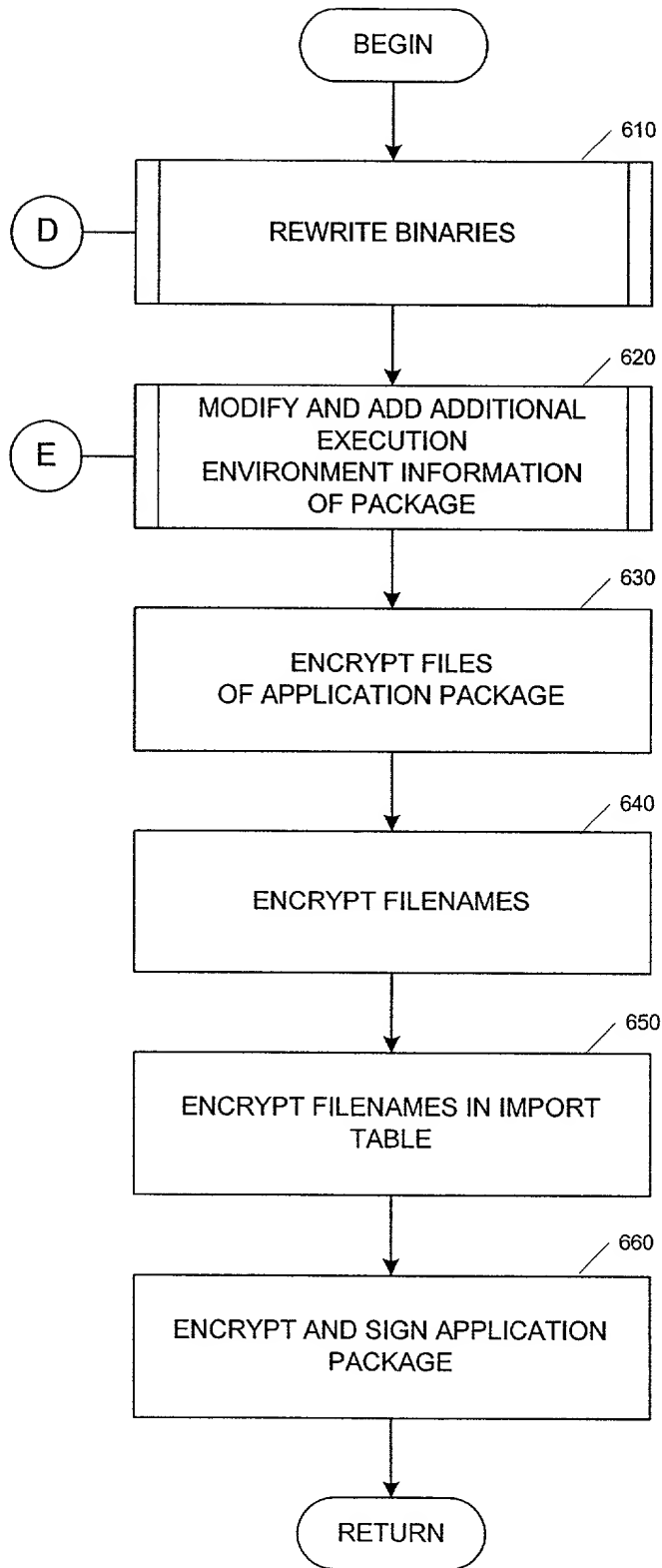


FIG. 6

D 610

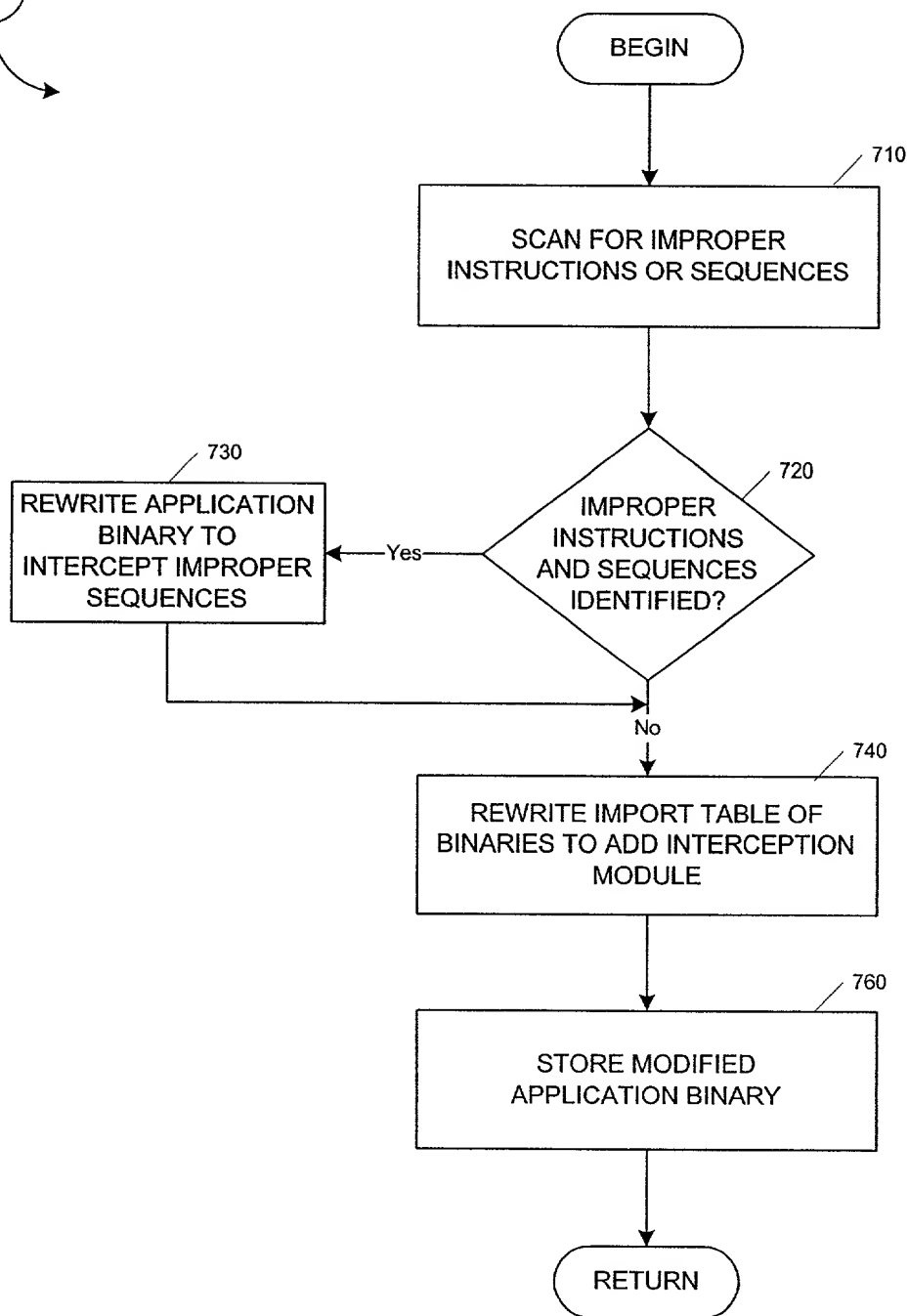


FIG. 7

E 620

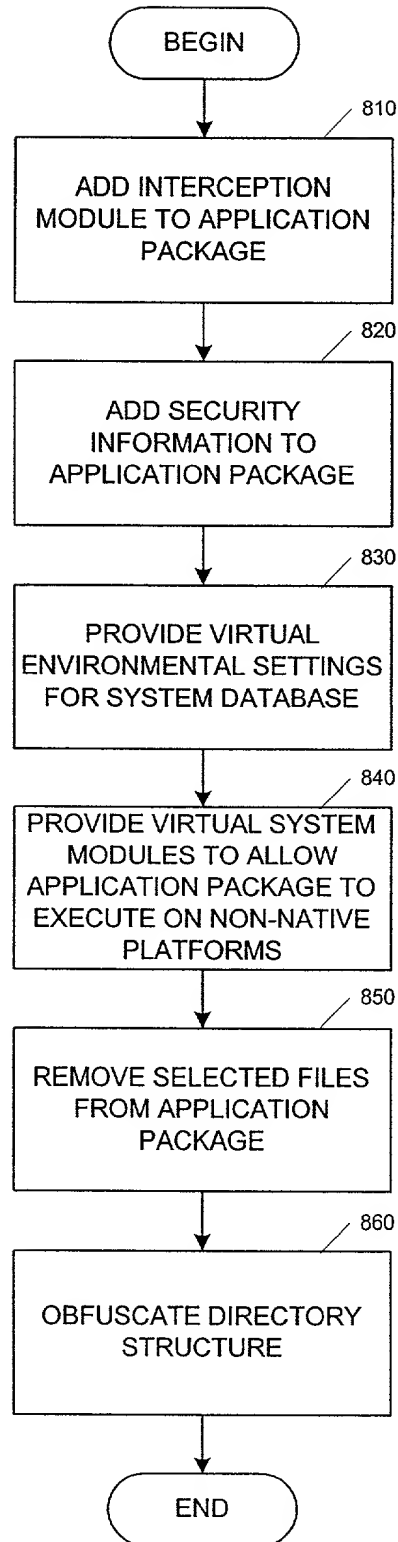


FIG. 8

B 540

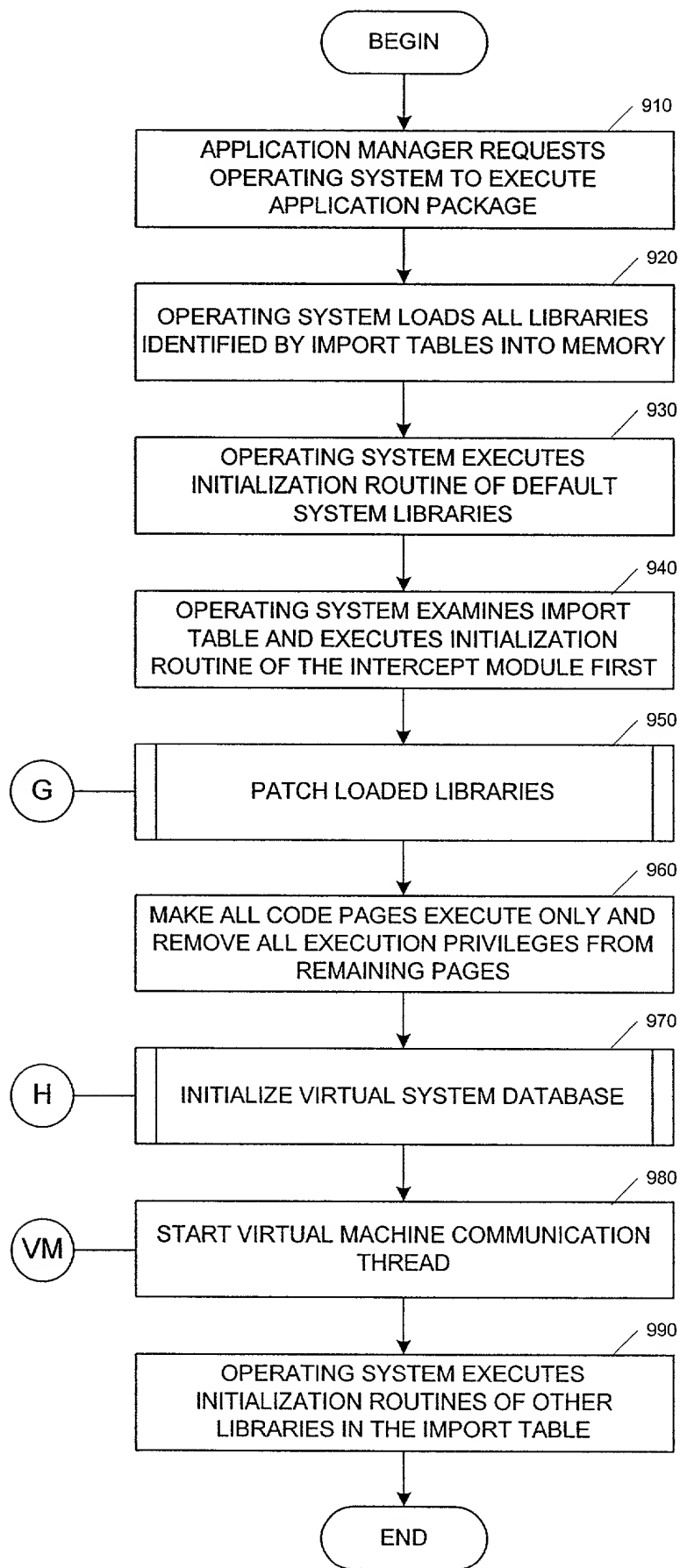


FIG. 9

G 950

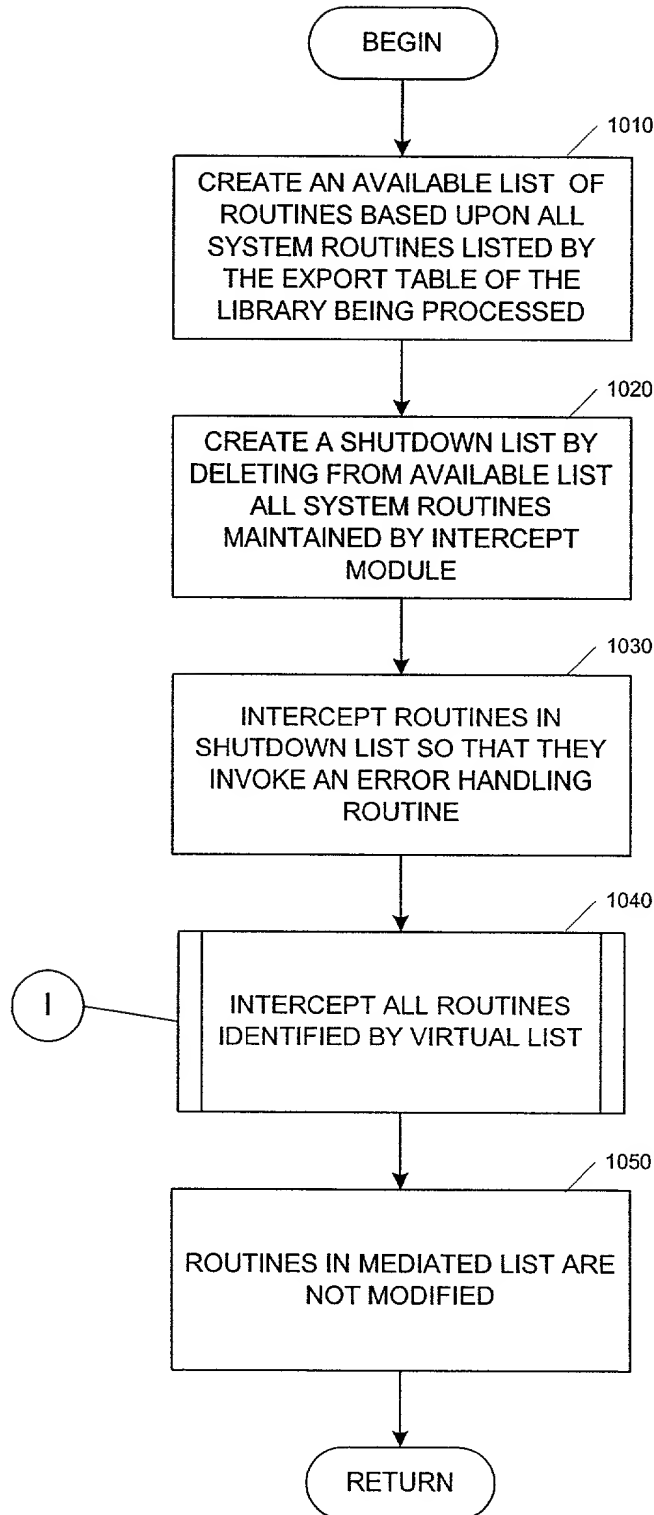


FIG. 10

1040

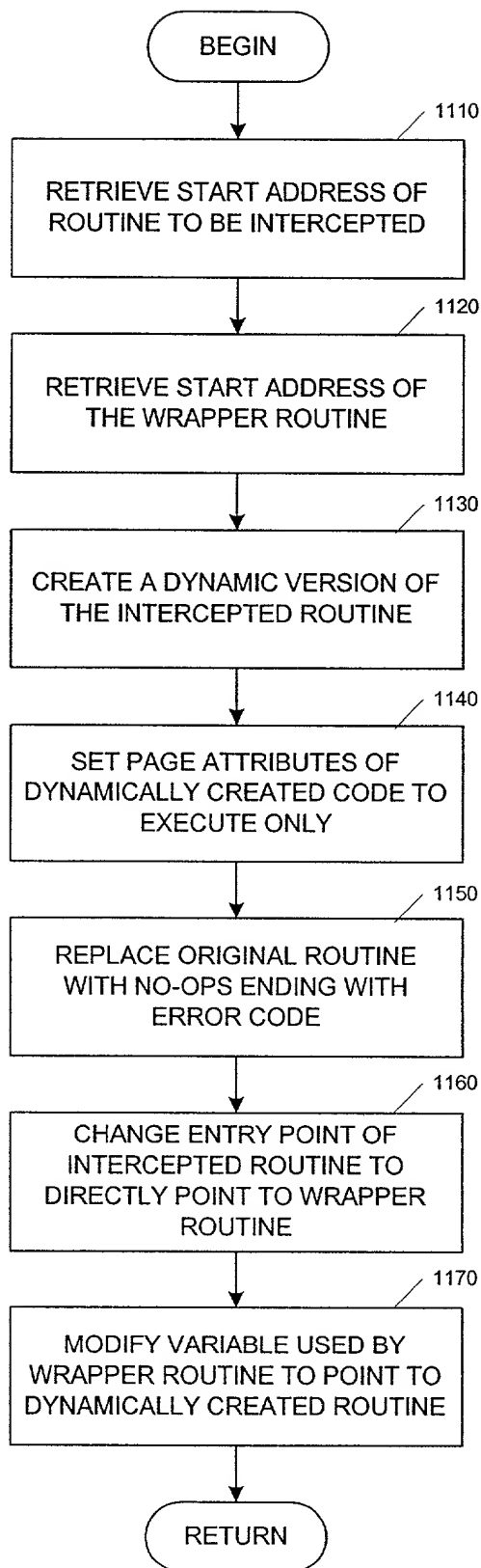


FIG. 11

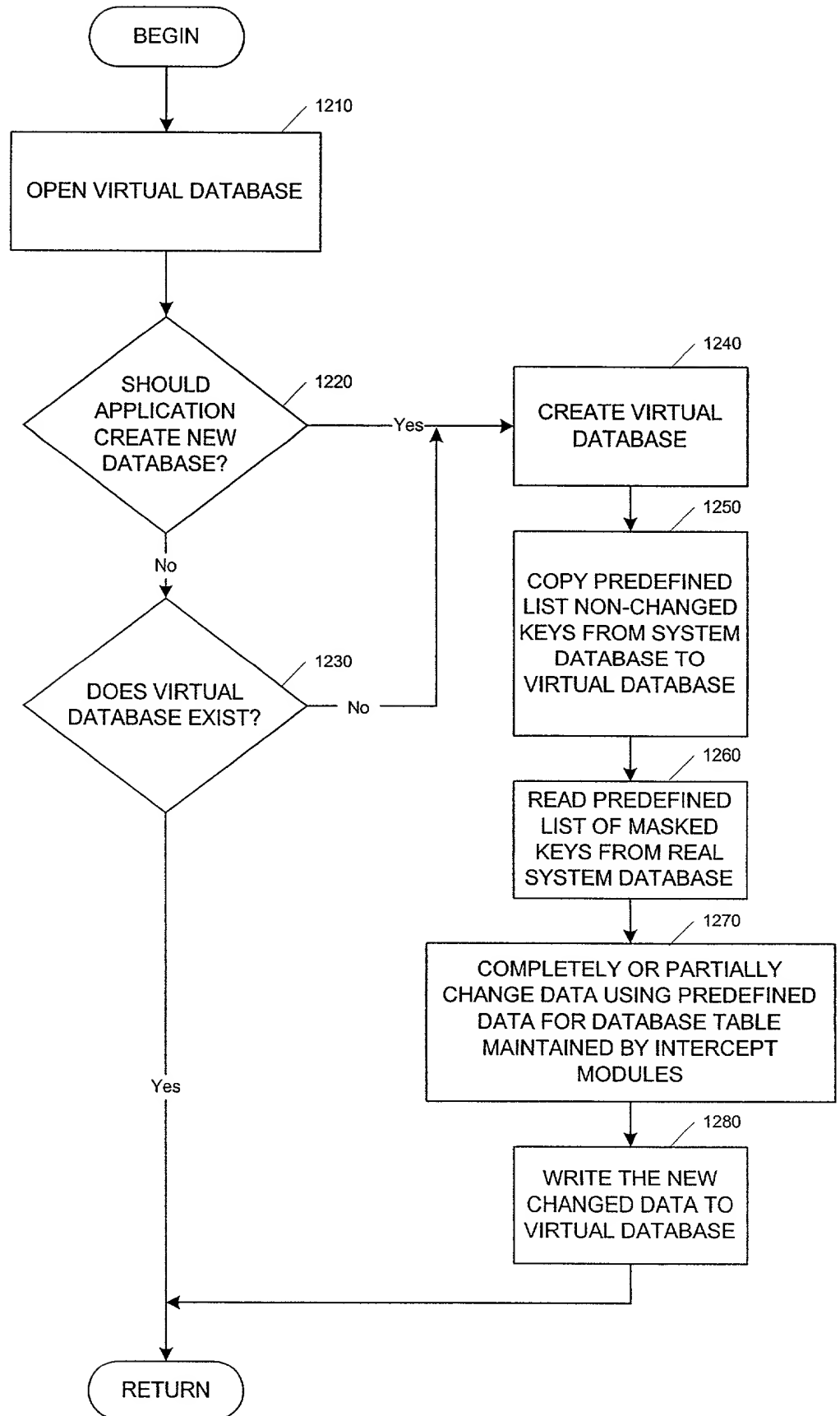


FIG. 12

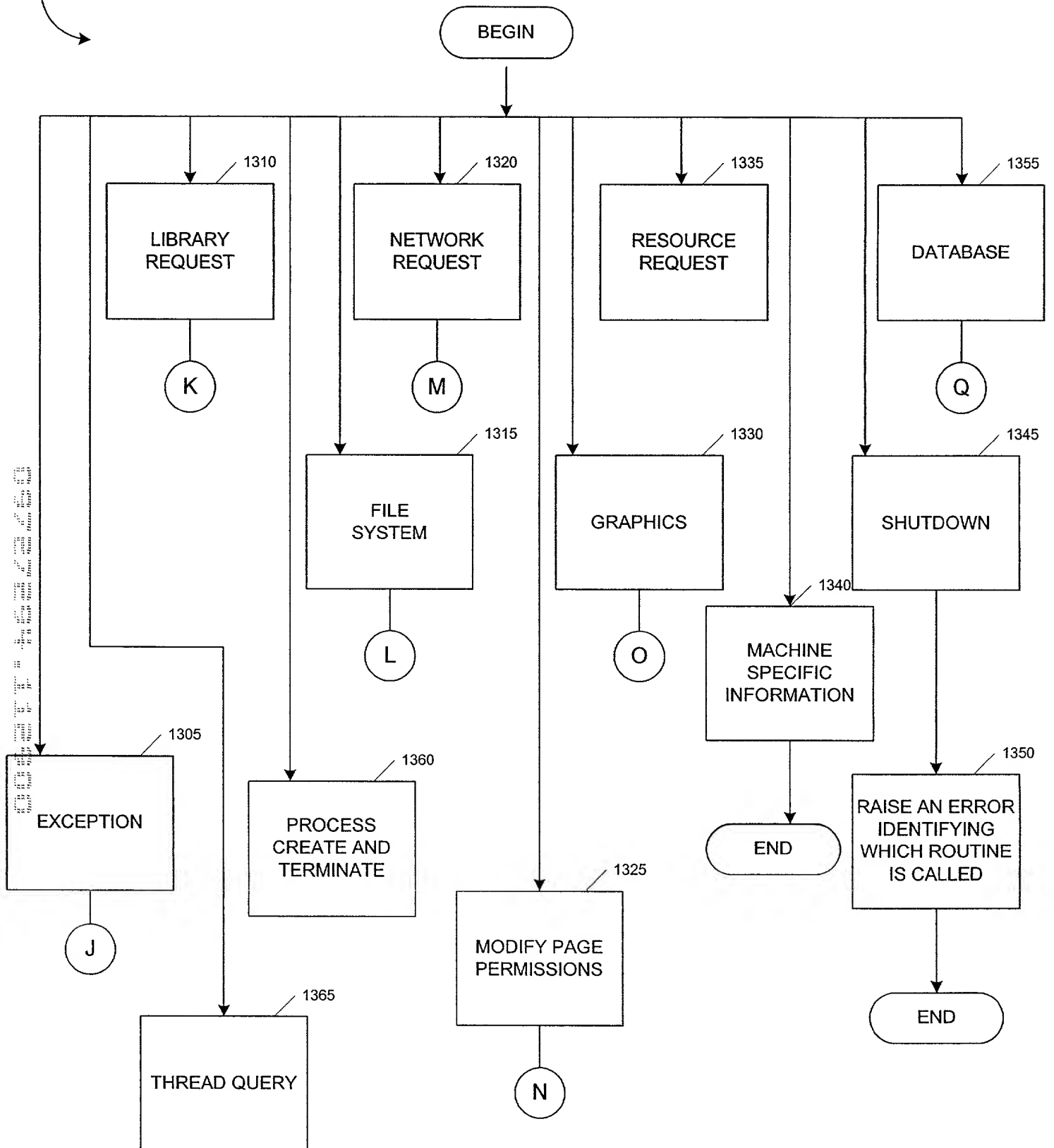


FIG. 13

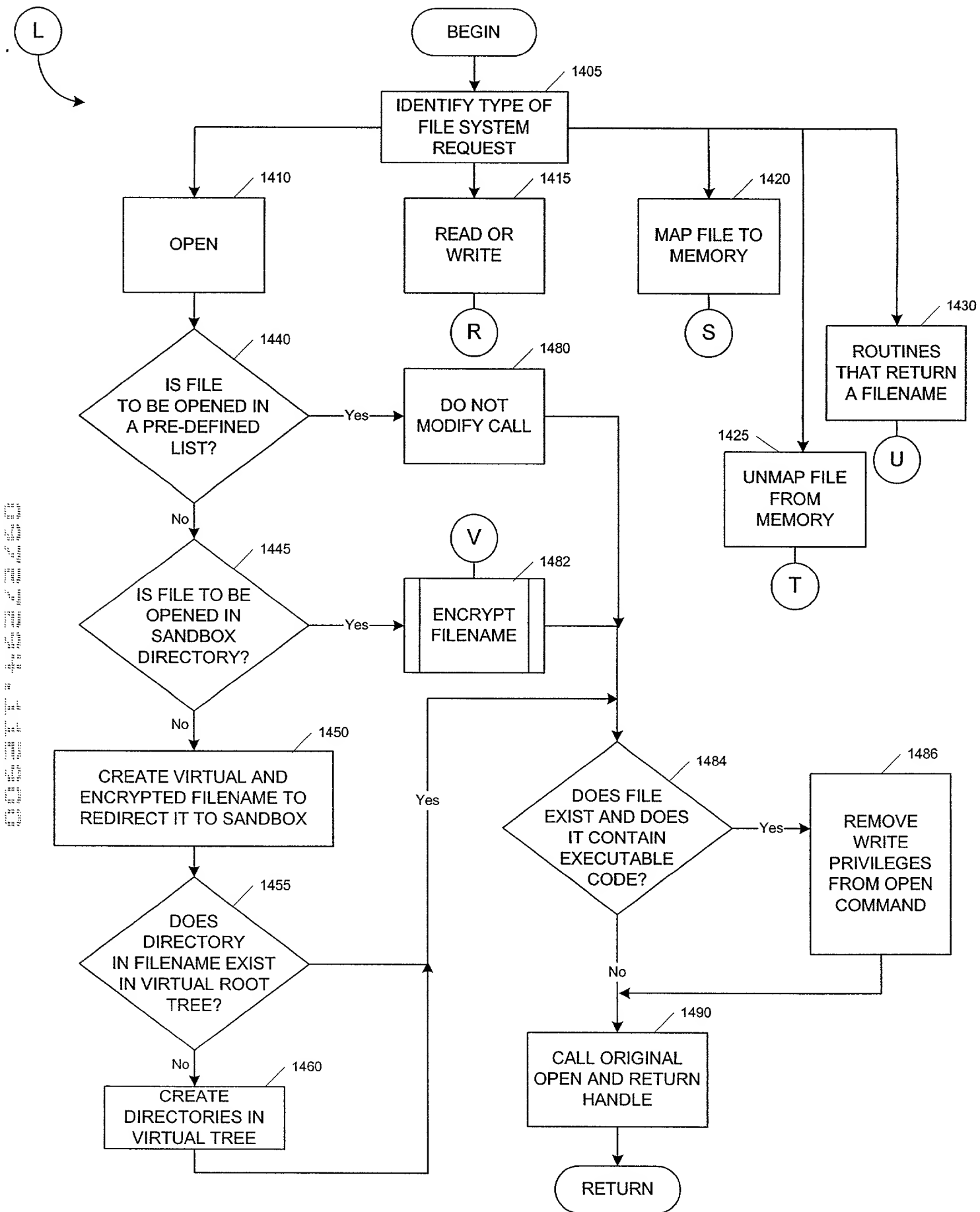


FIG. 14

J

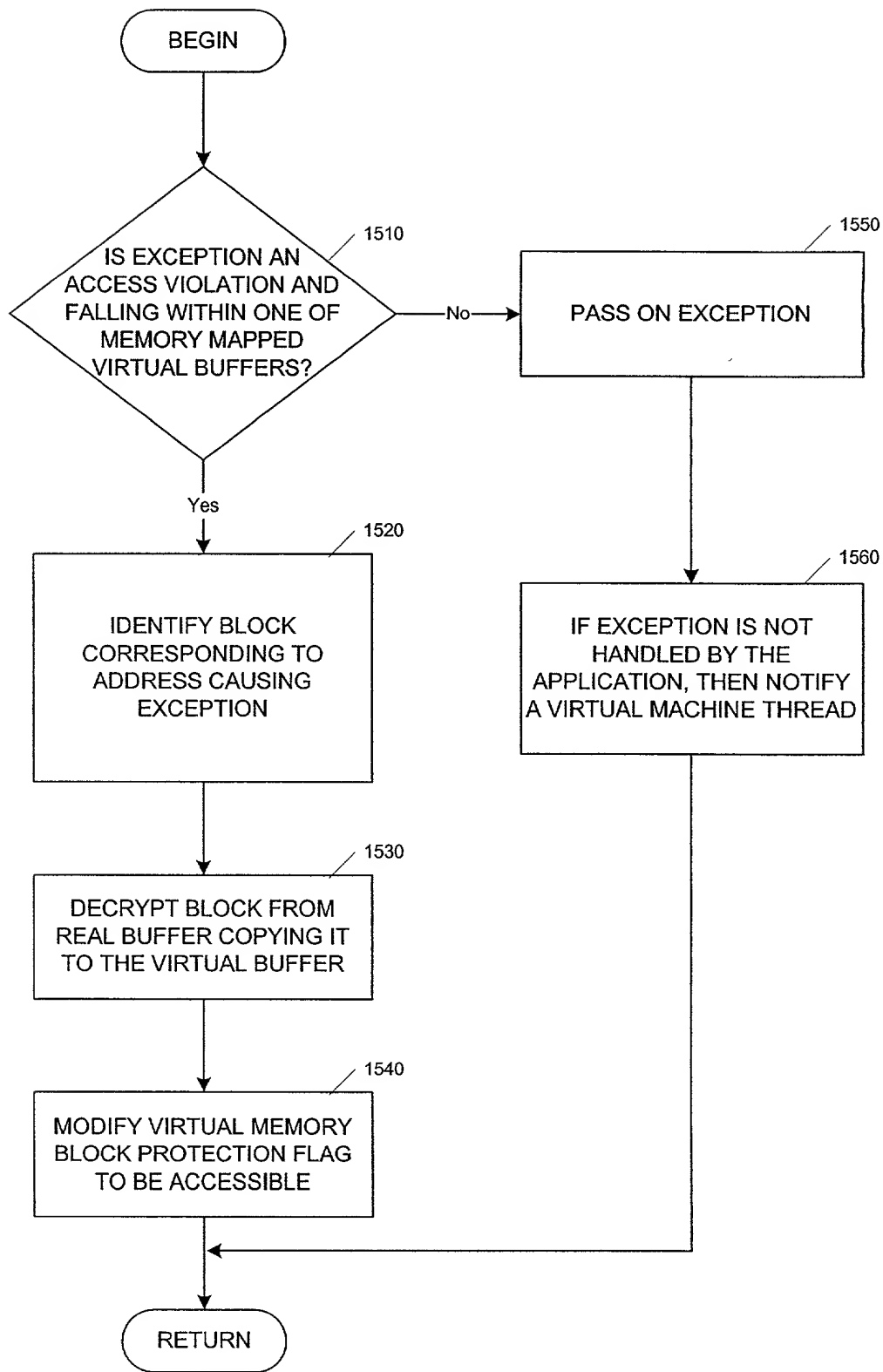


FIG. 15

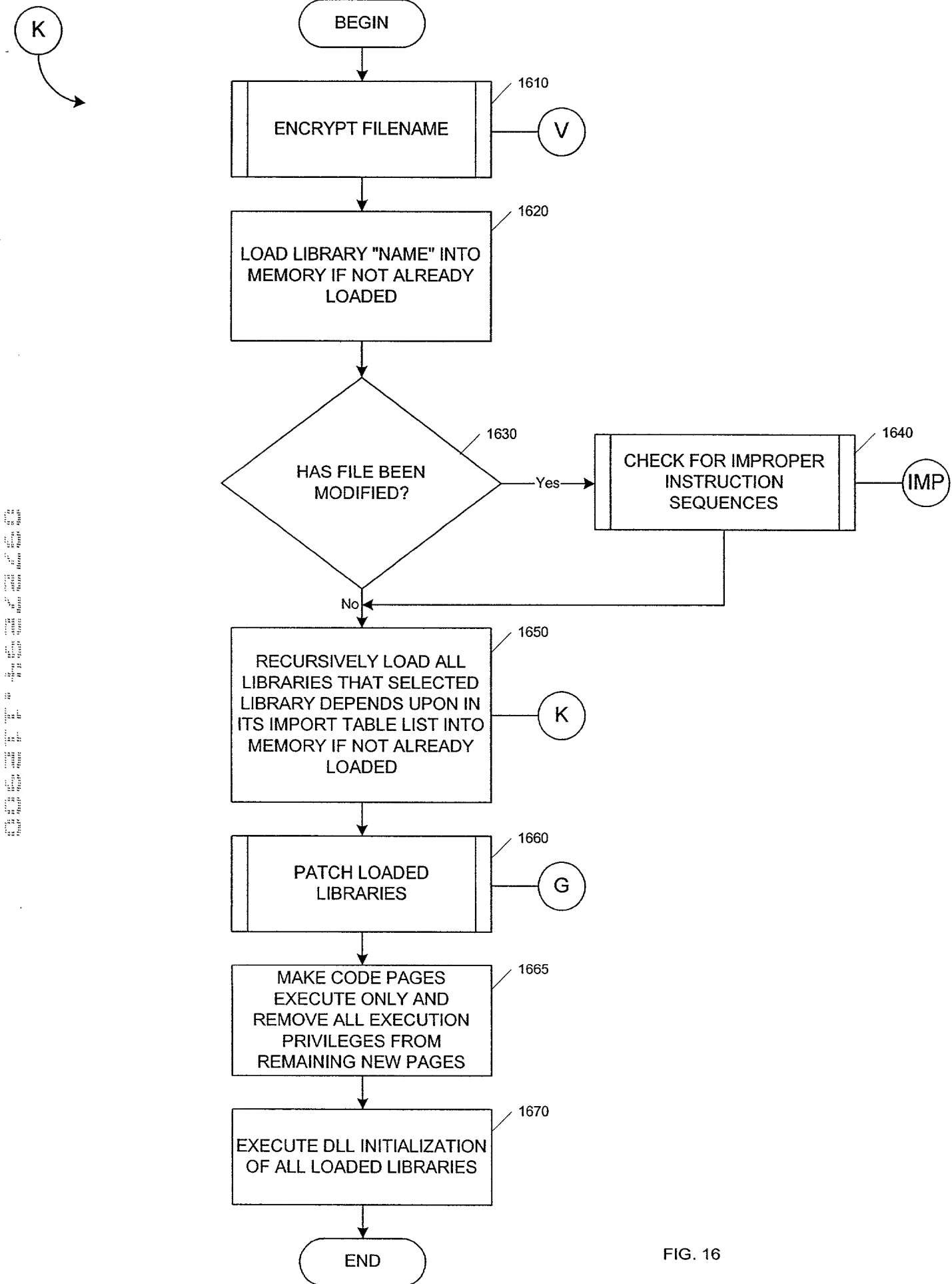


FIG. 16

IMP

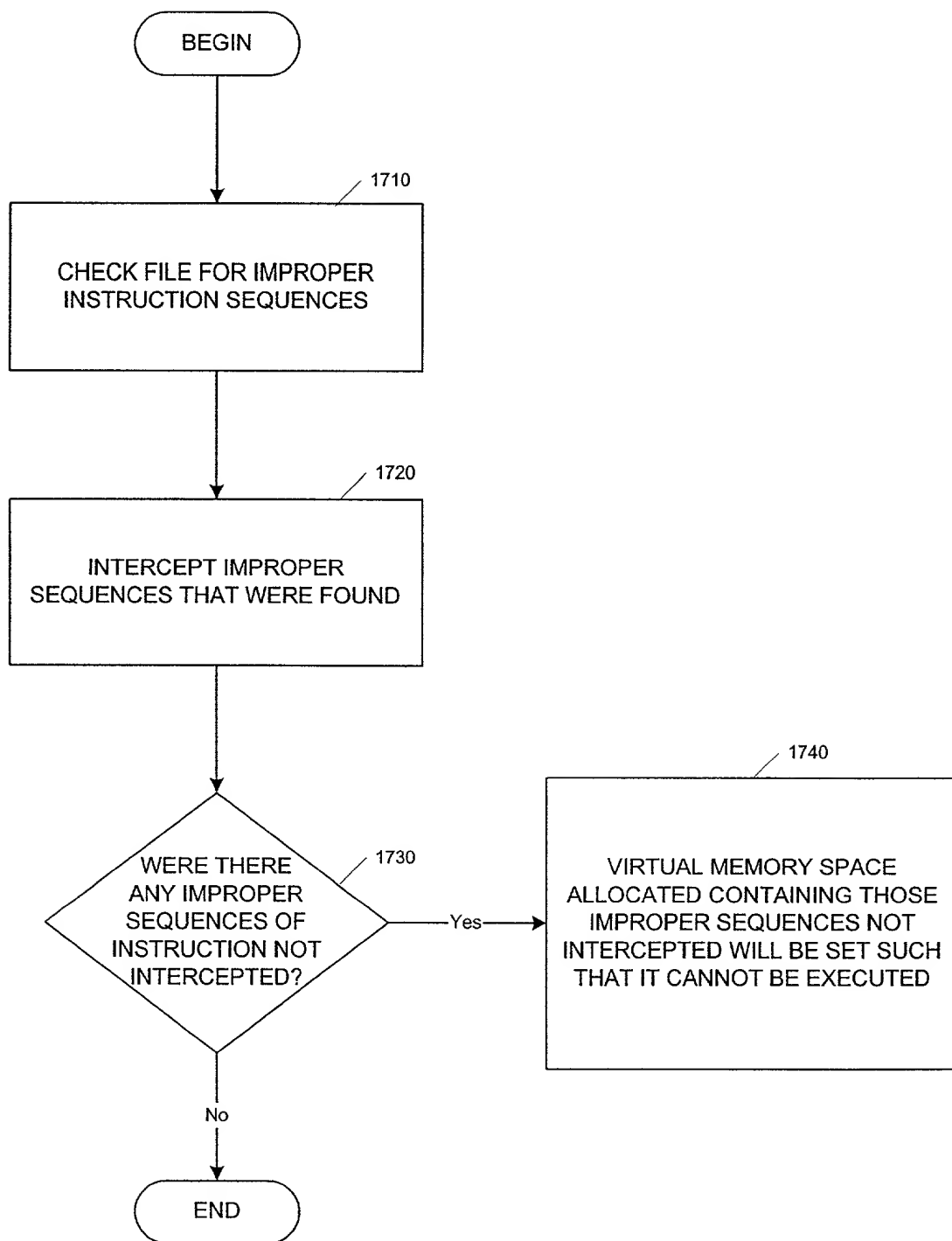


FIG. 17

M

1805 1815 1825 1835 1845 1855 1865 1810 1820 1830 1840 1850 1860 1870

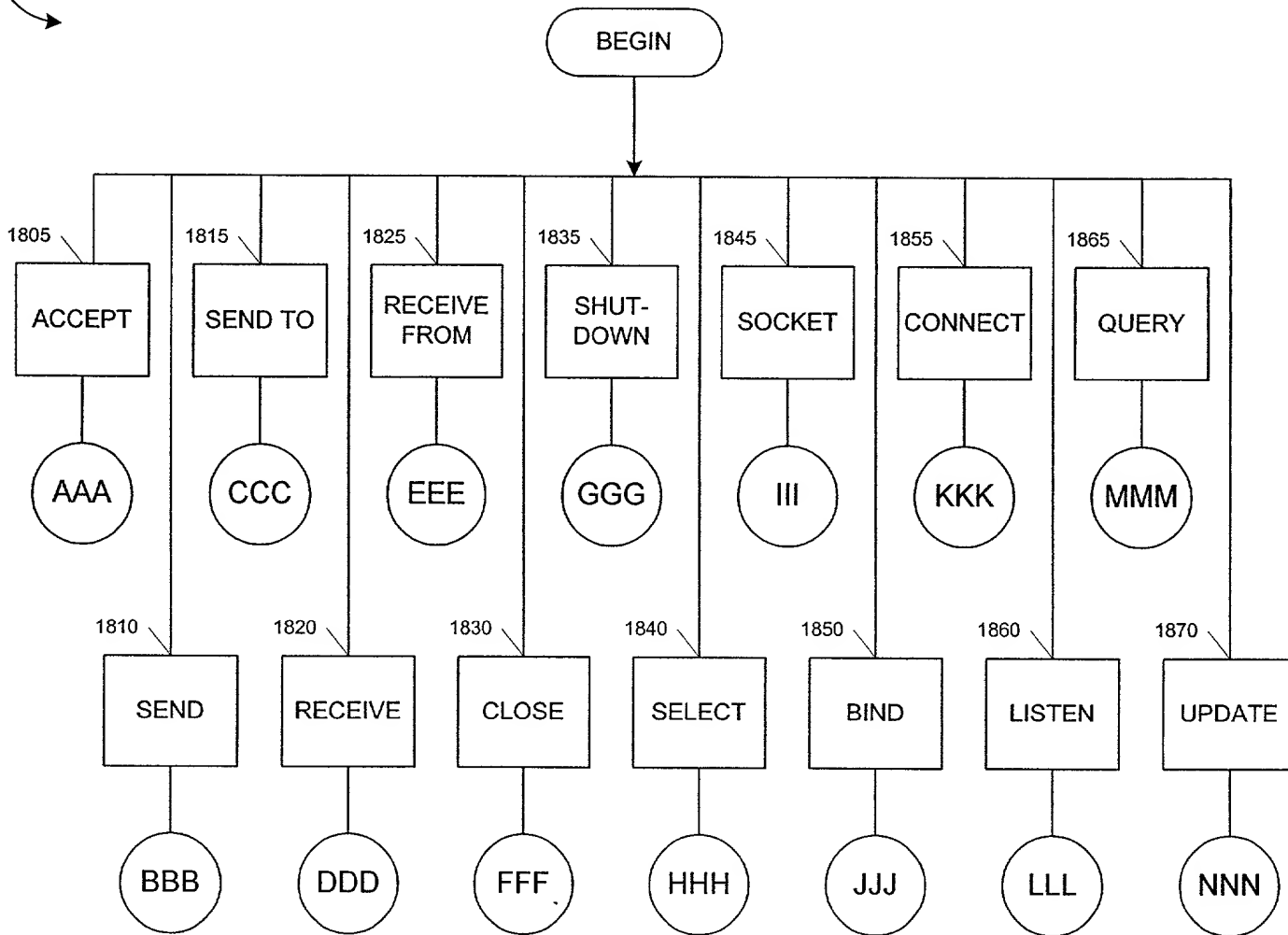


FIG. 18

AAA

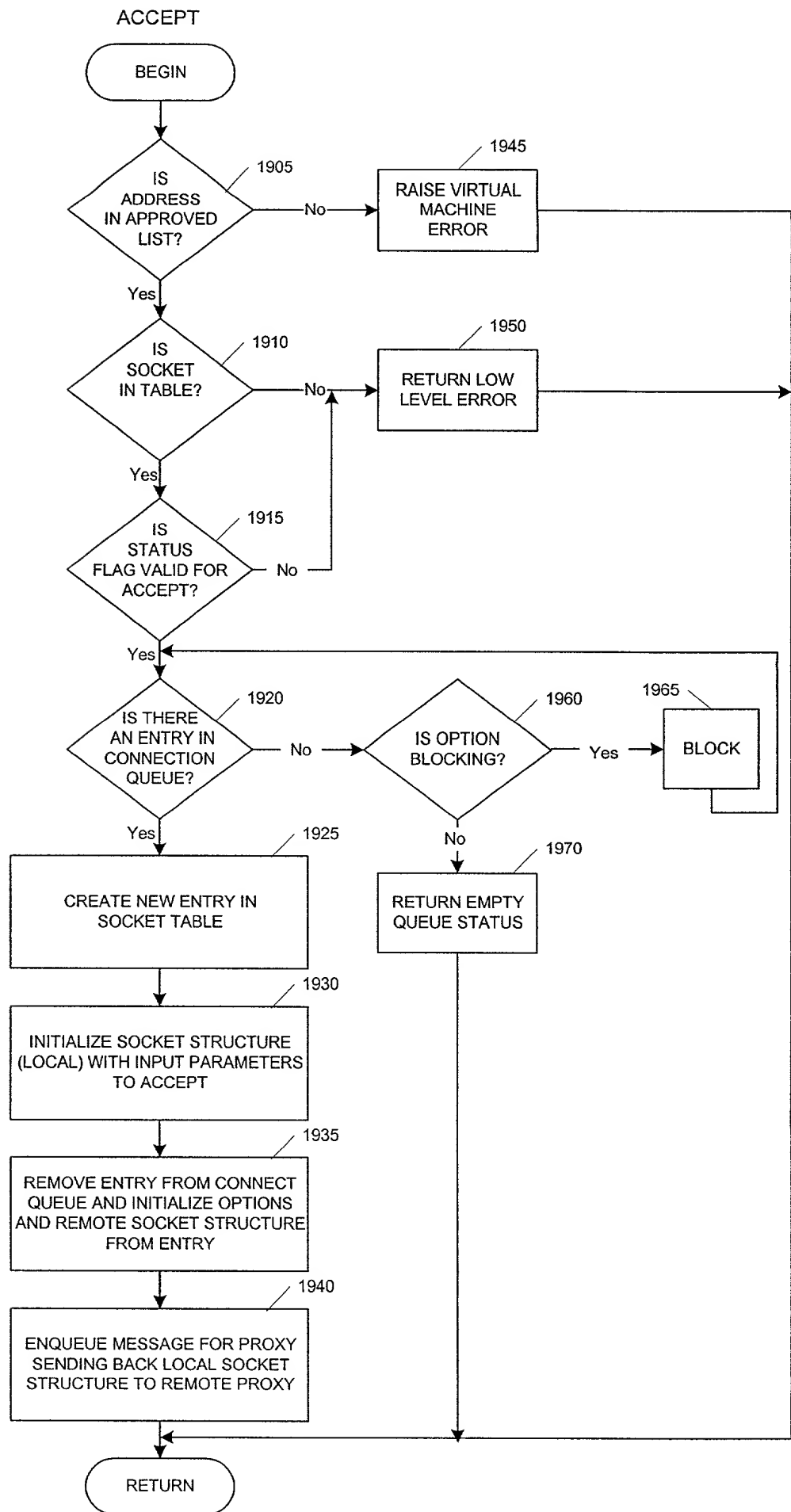


FIG. 19

BBB

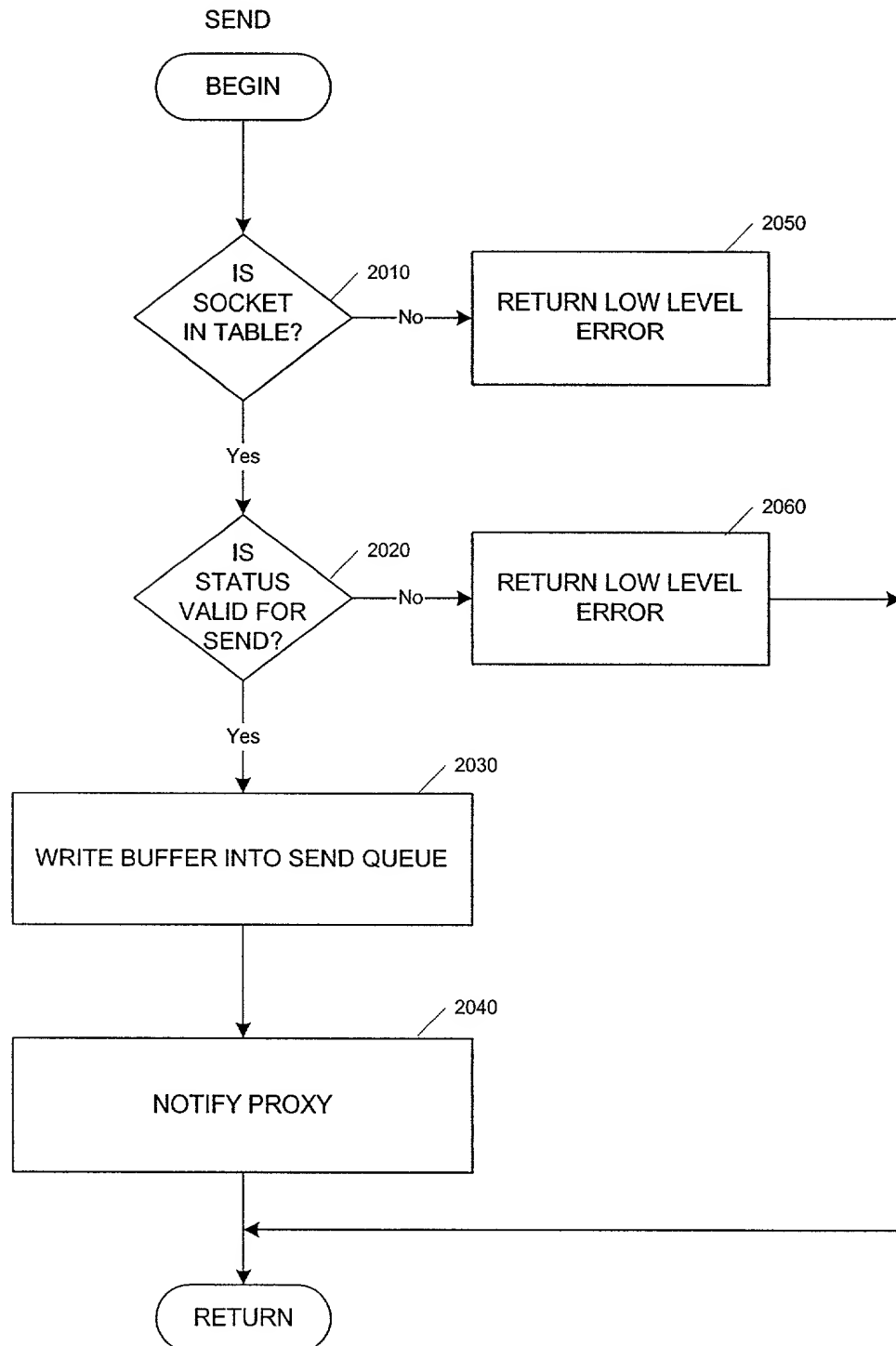


FIG. 20

CCC

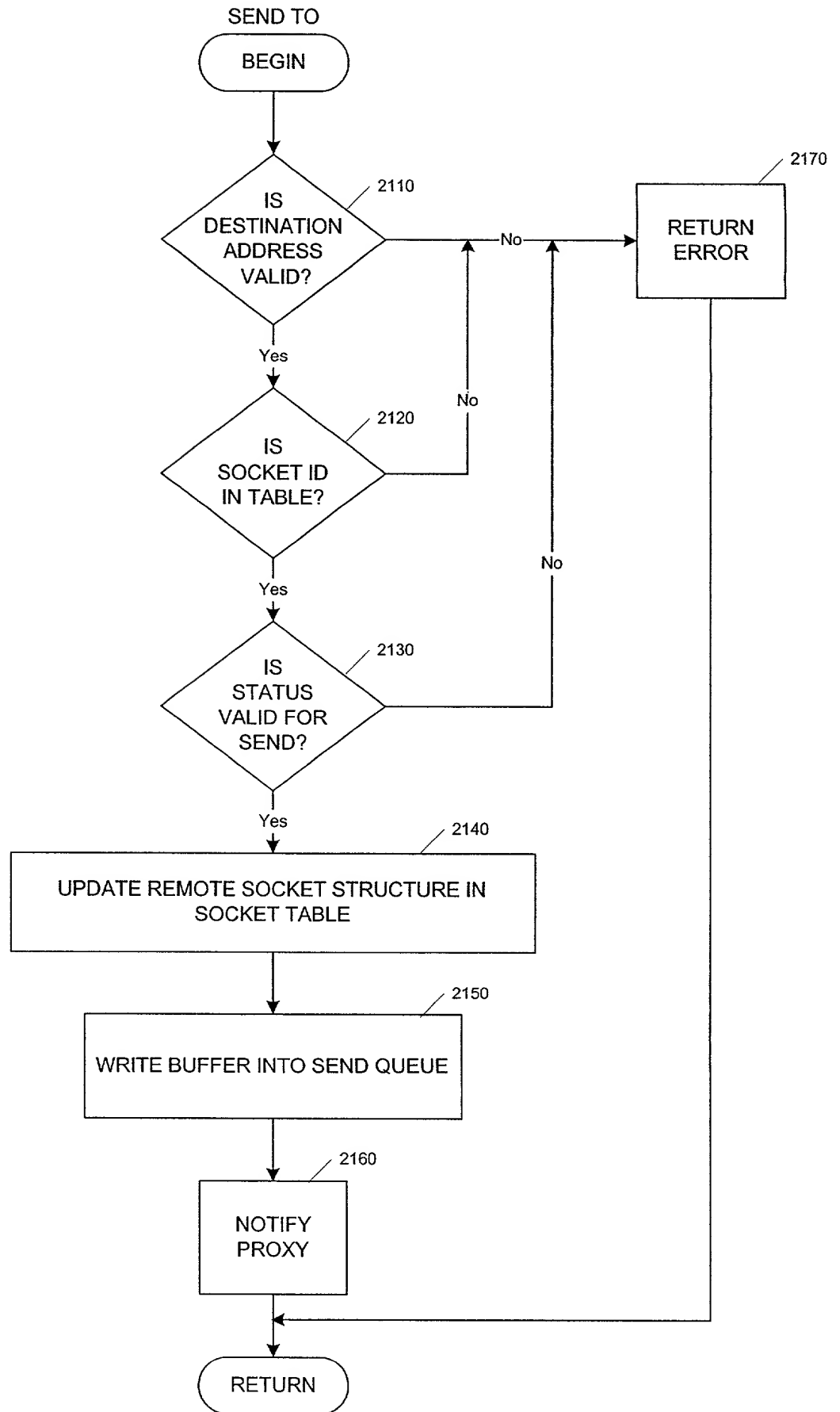


FIG. 21

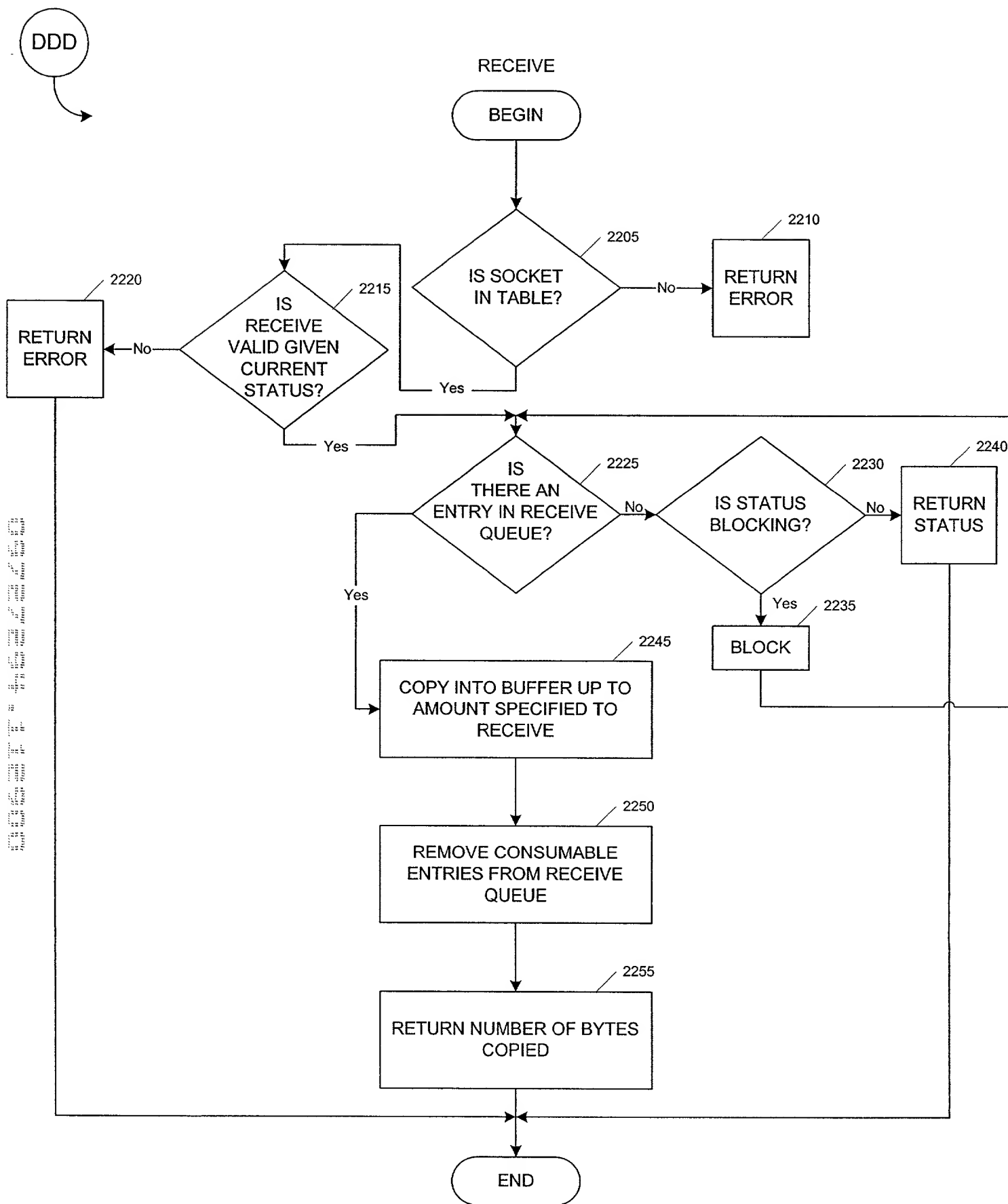


FIG. 22

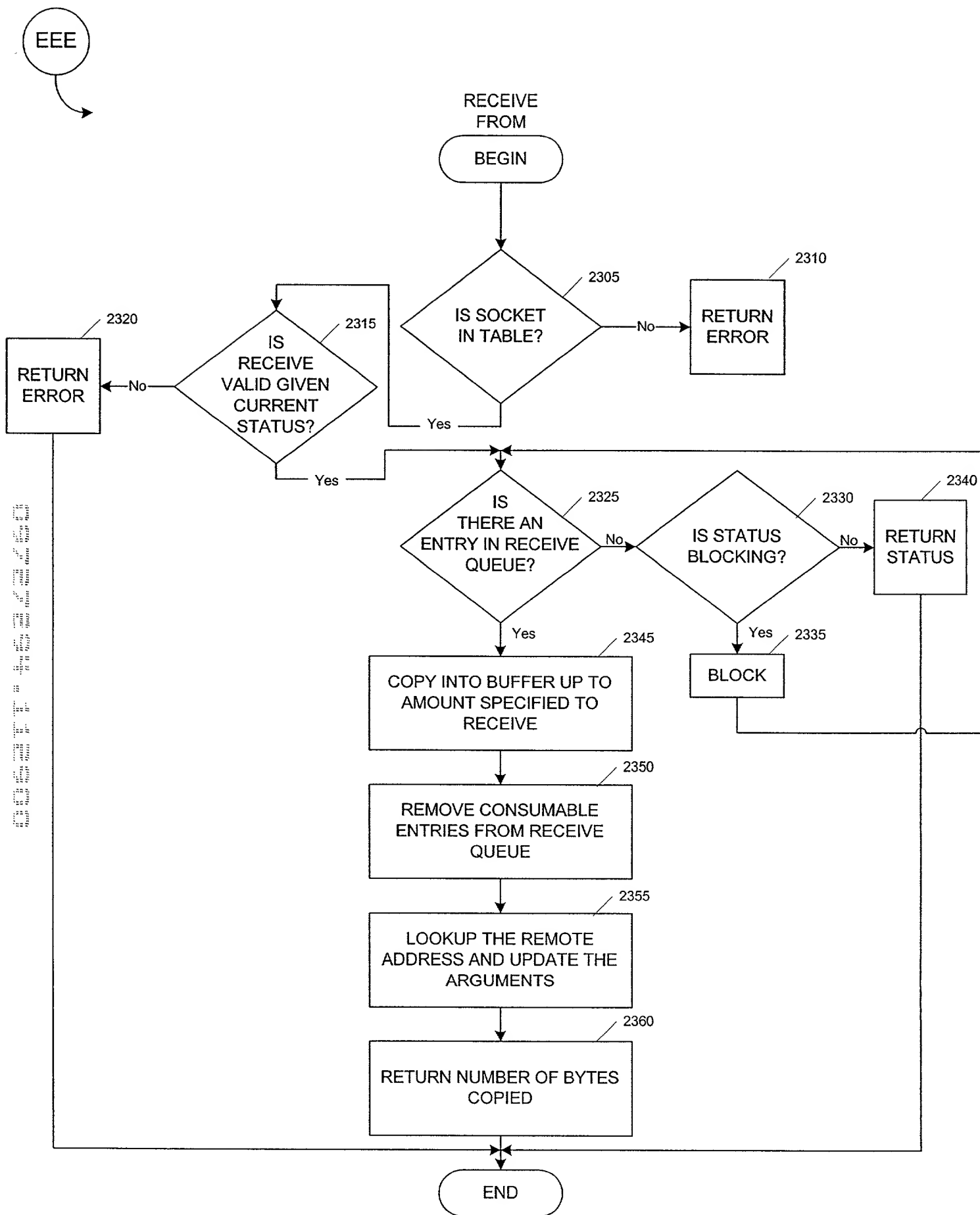


FIG. 23

FFF

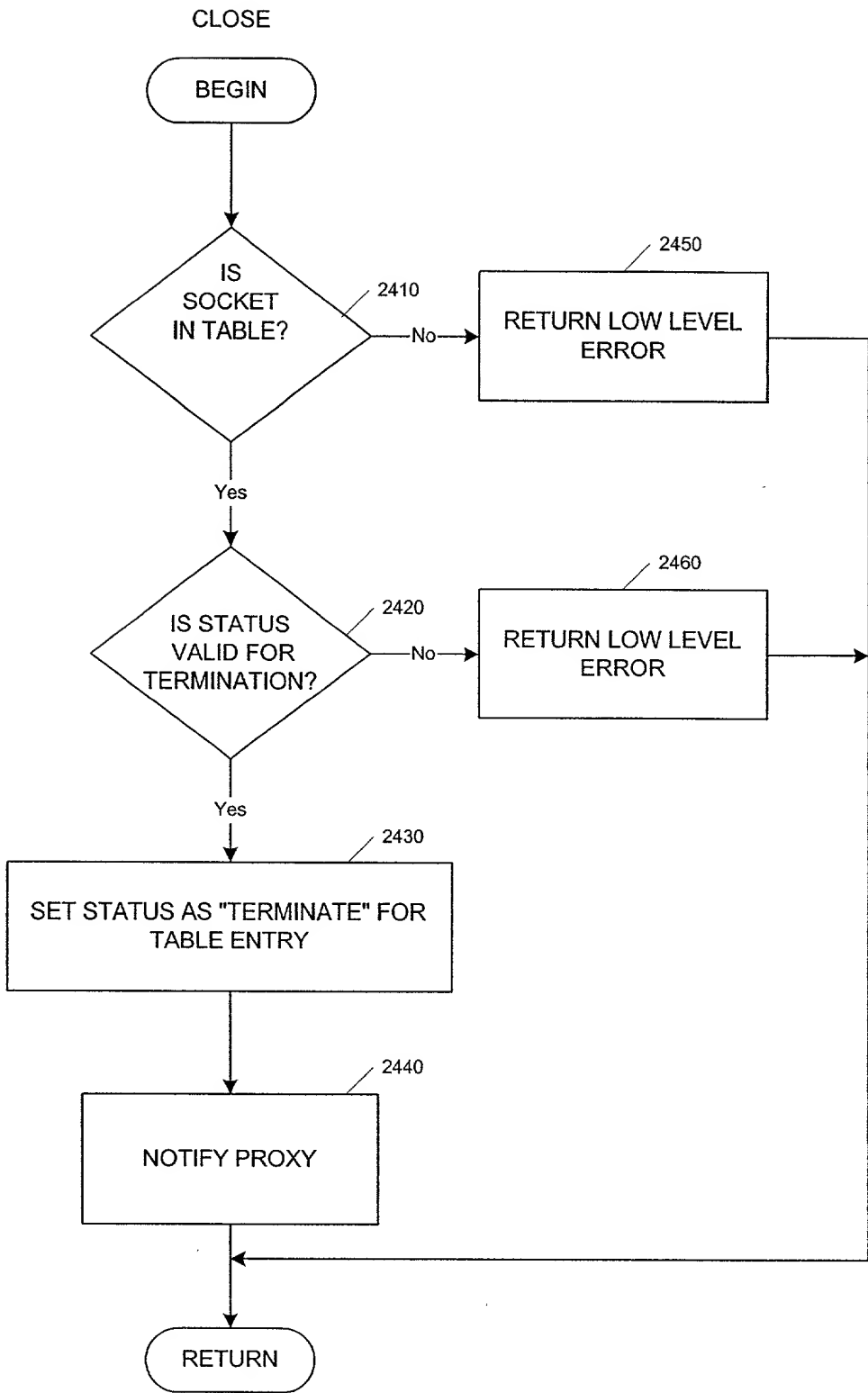


FIG. 24

GGG

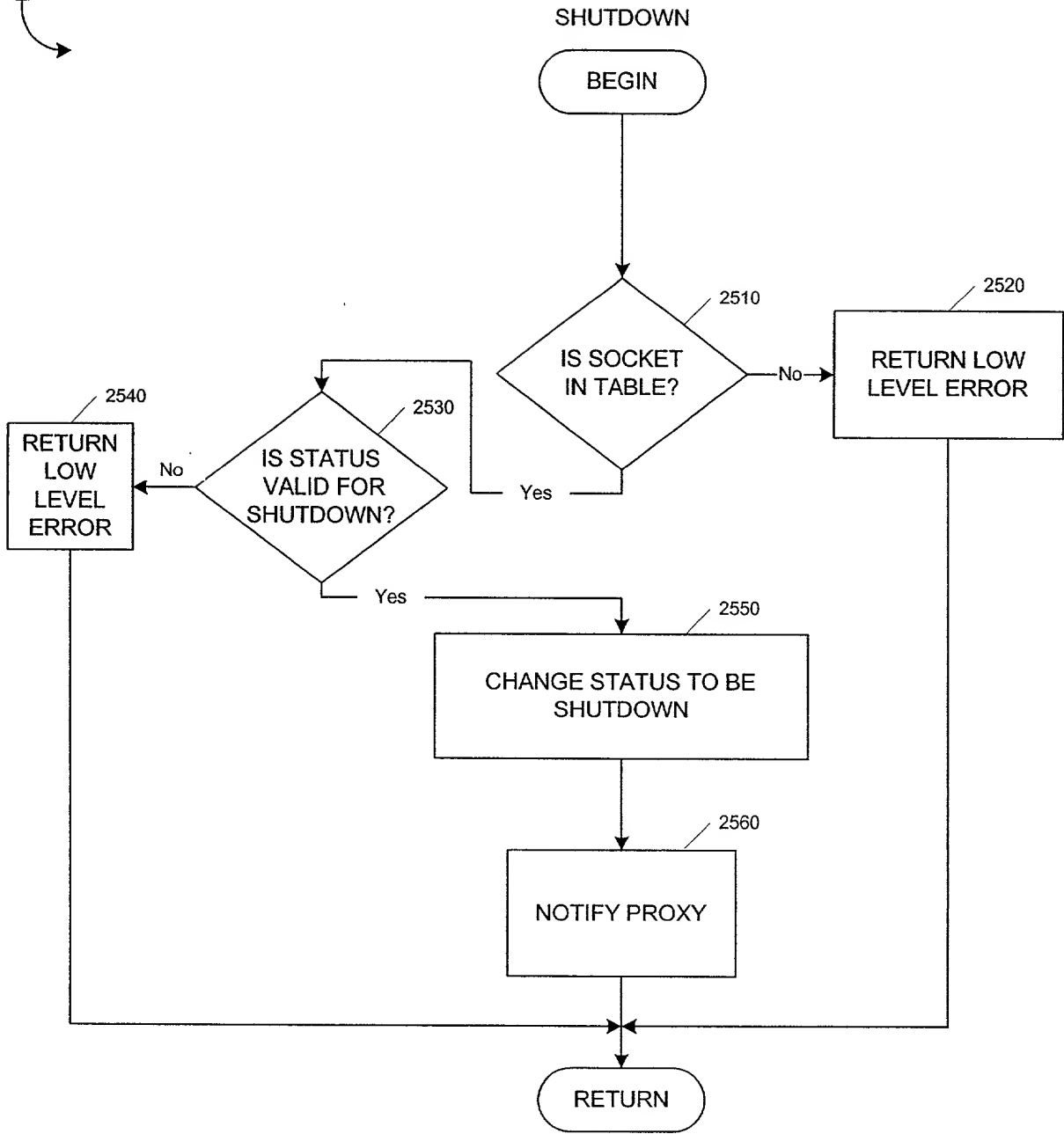


FIG. 25

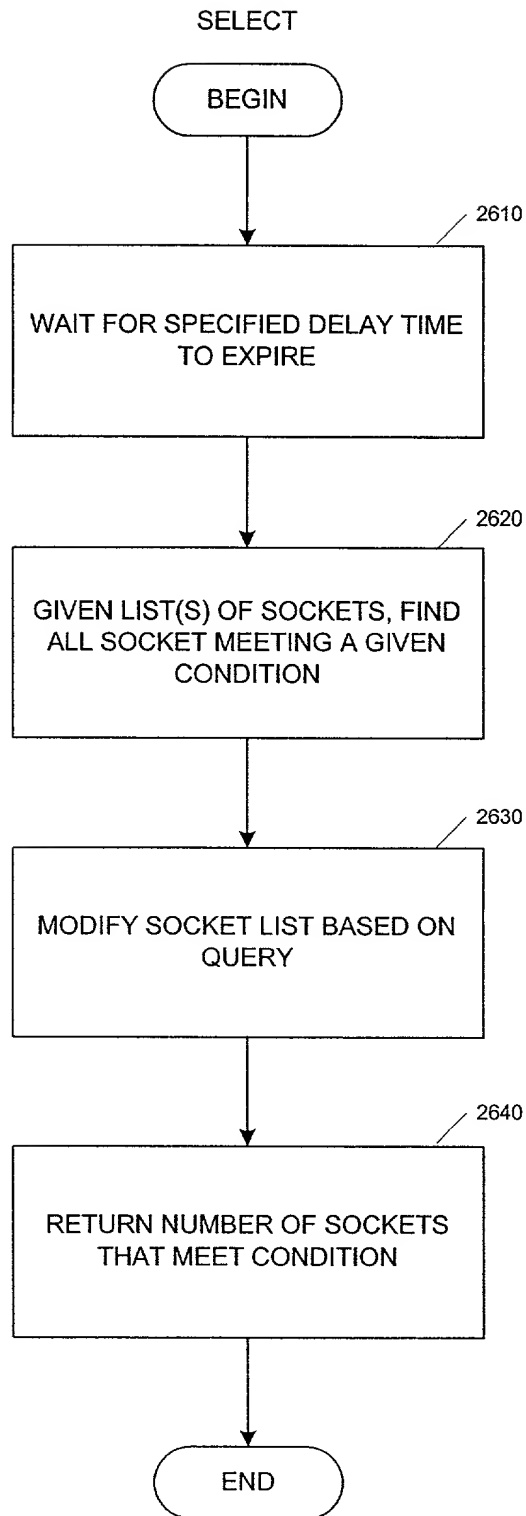


FIG. 26

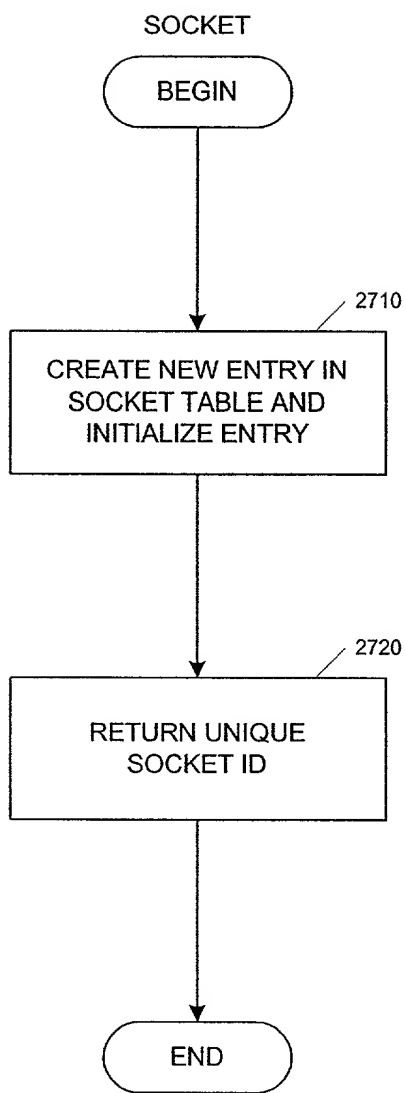
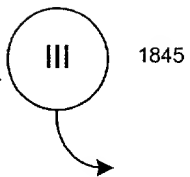


FIG. 27

JJJ

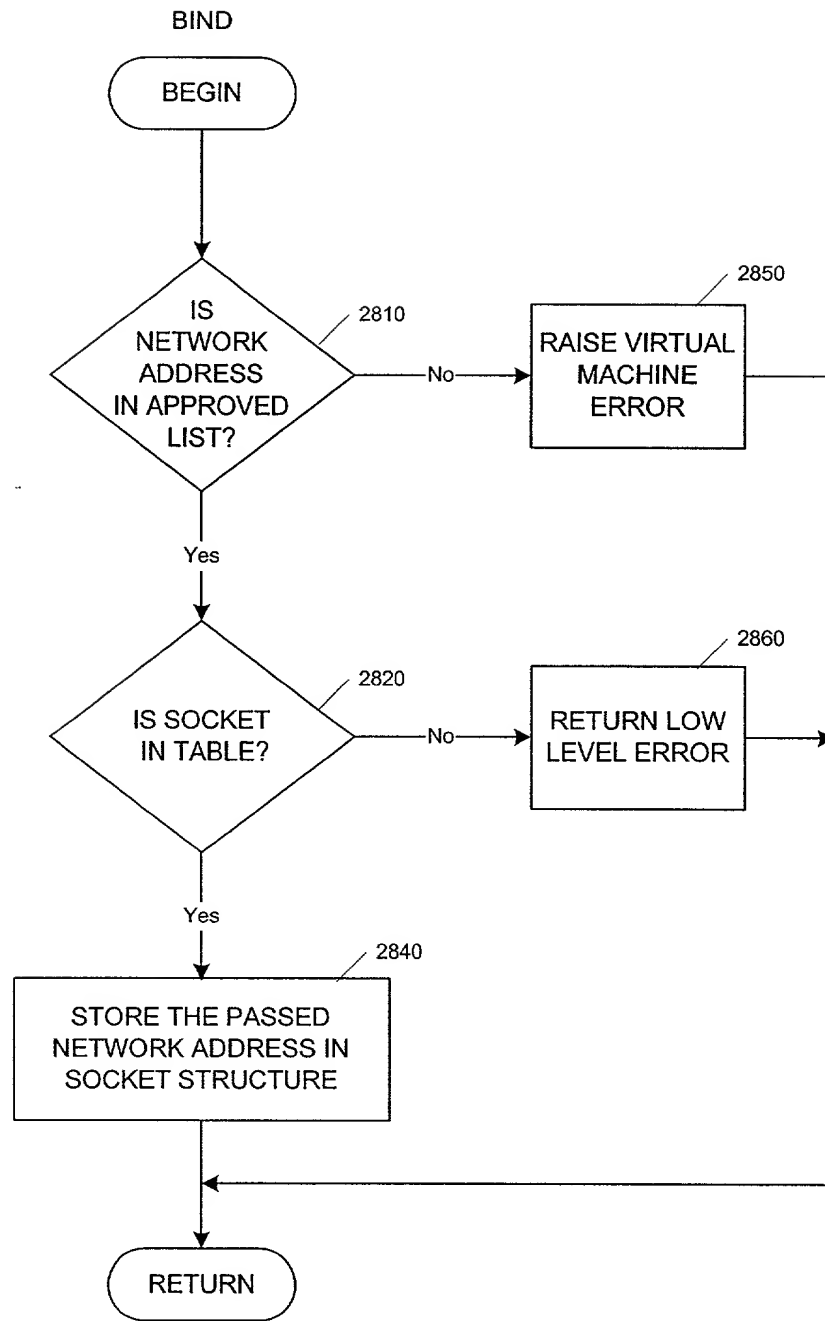


FIG. 28

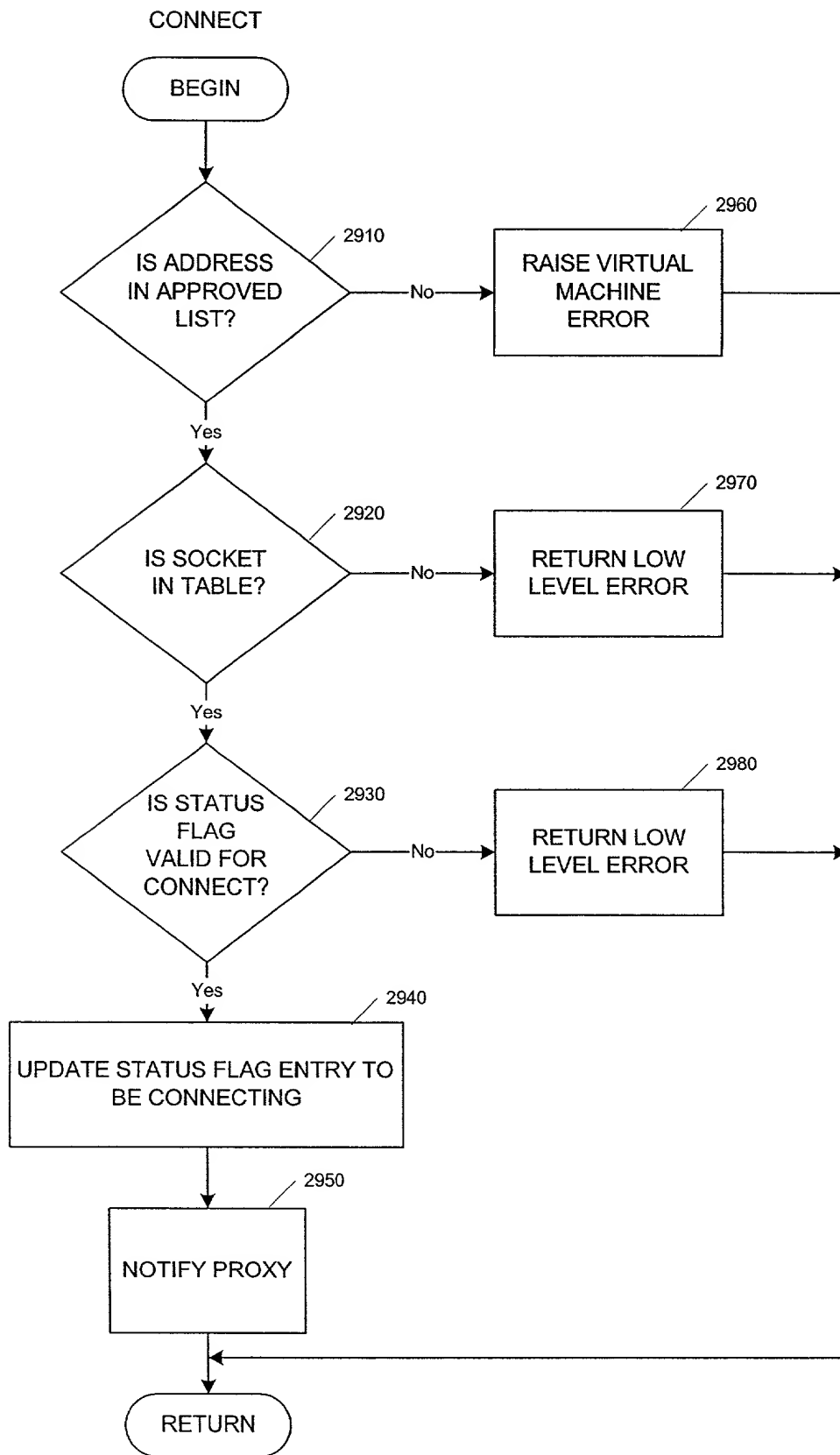


FIG. 29

LLL

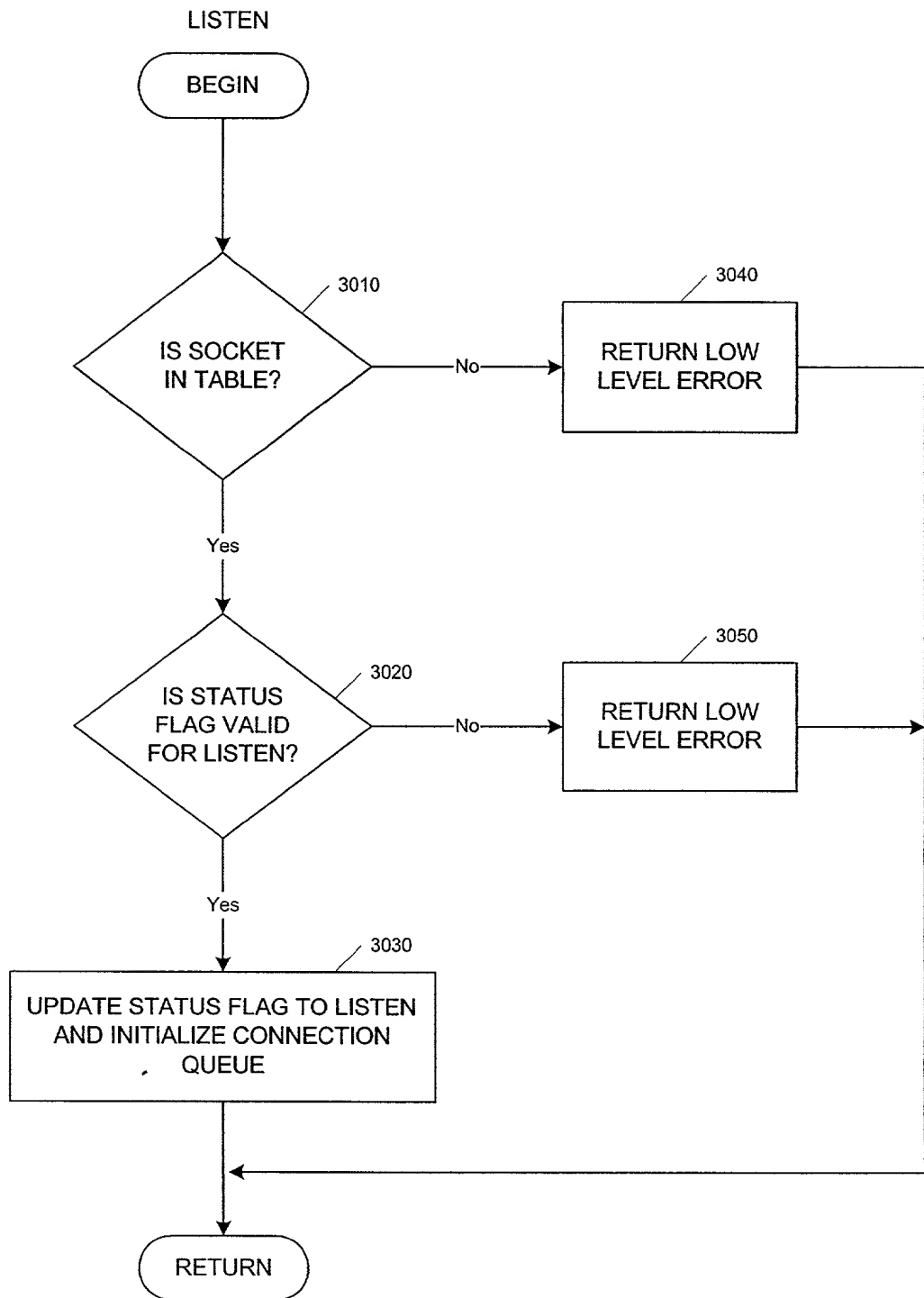


FIG. 30

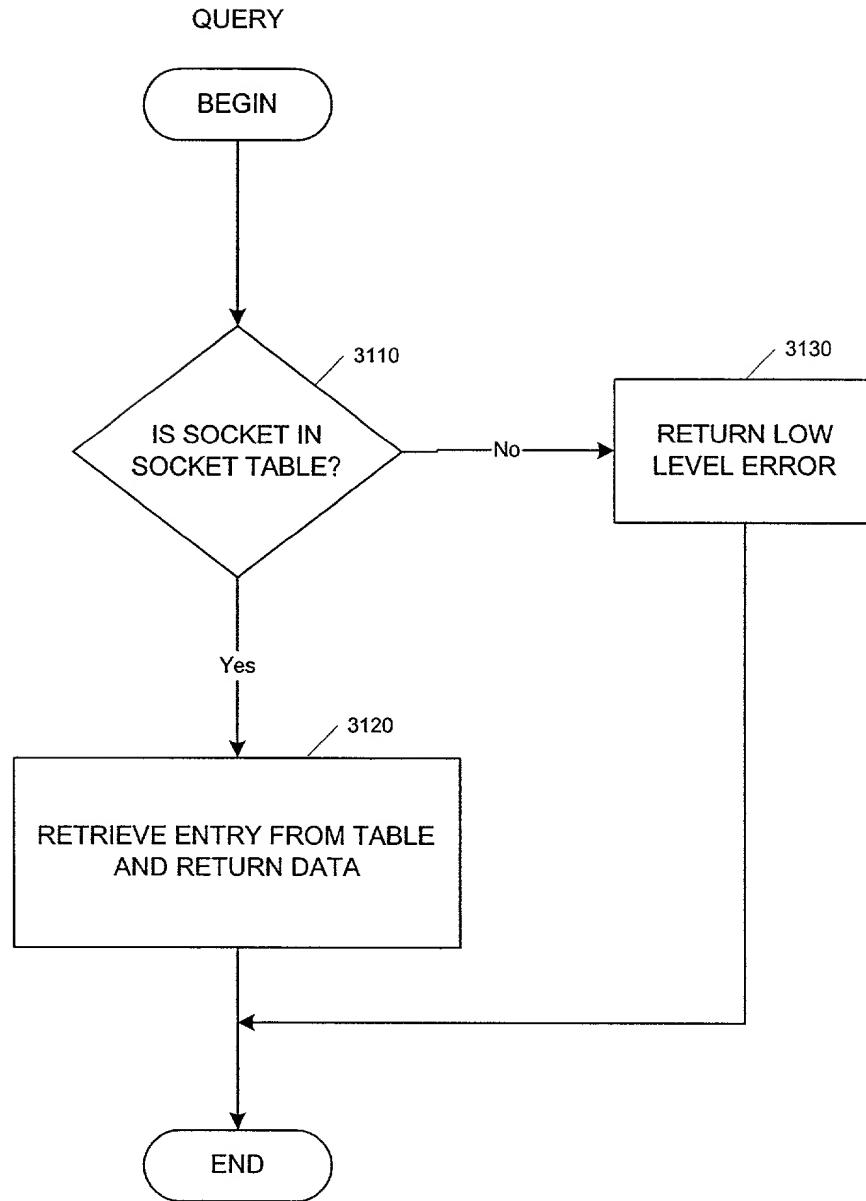


FIG. 31

NNN

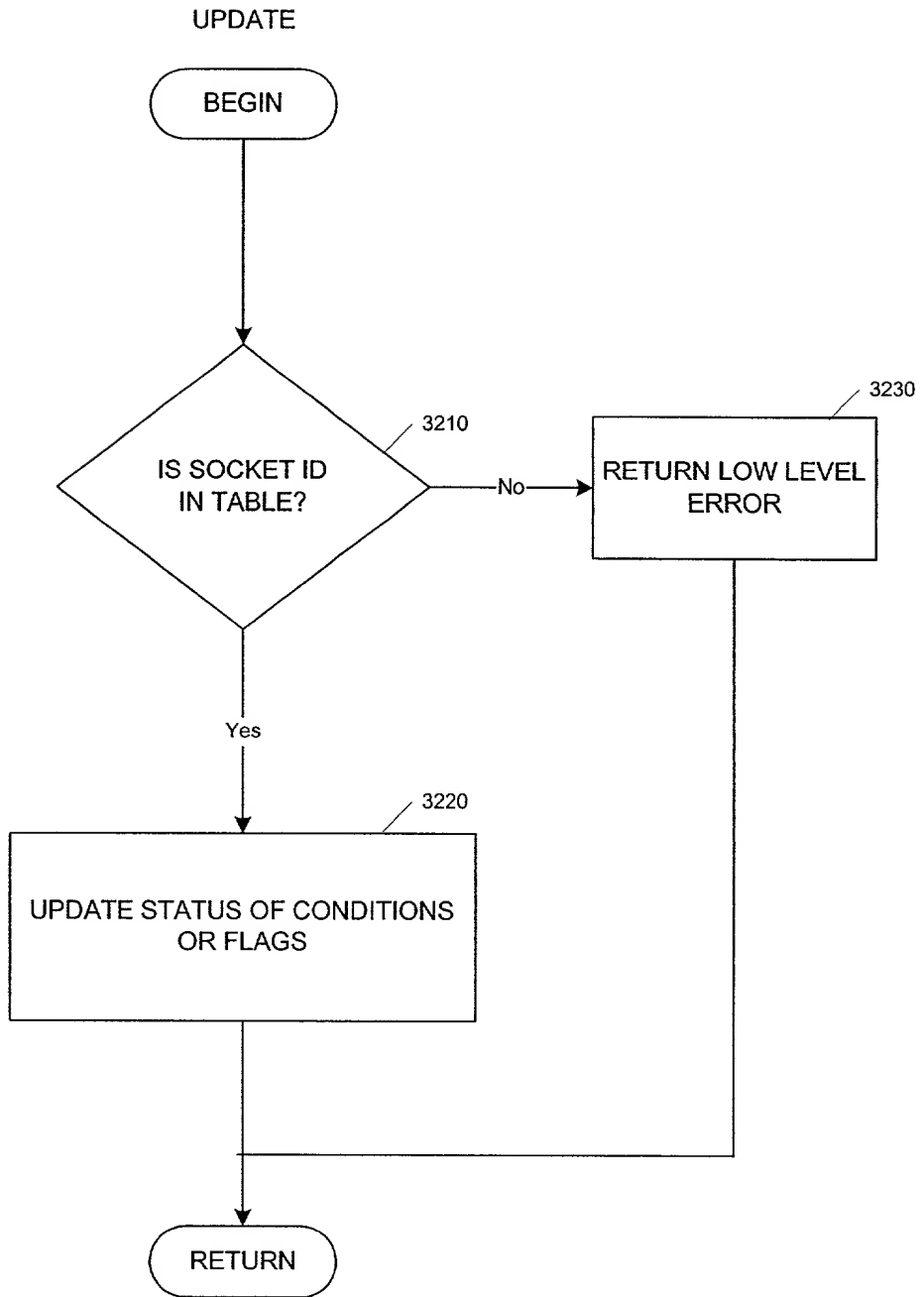


FIG. 32

N

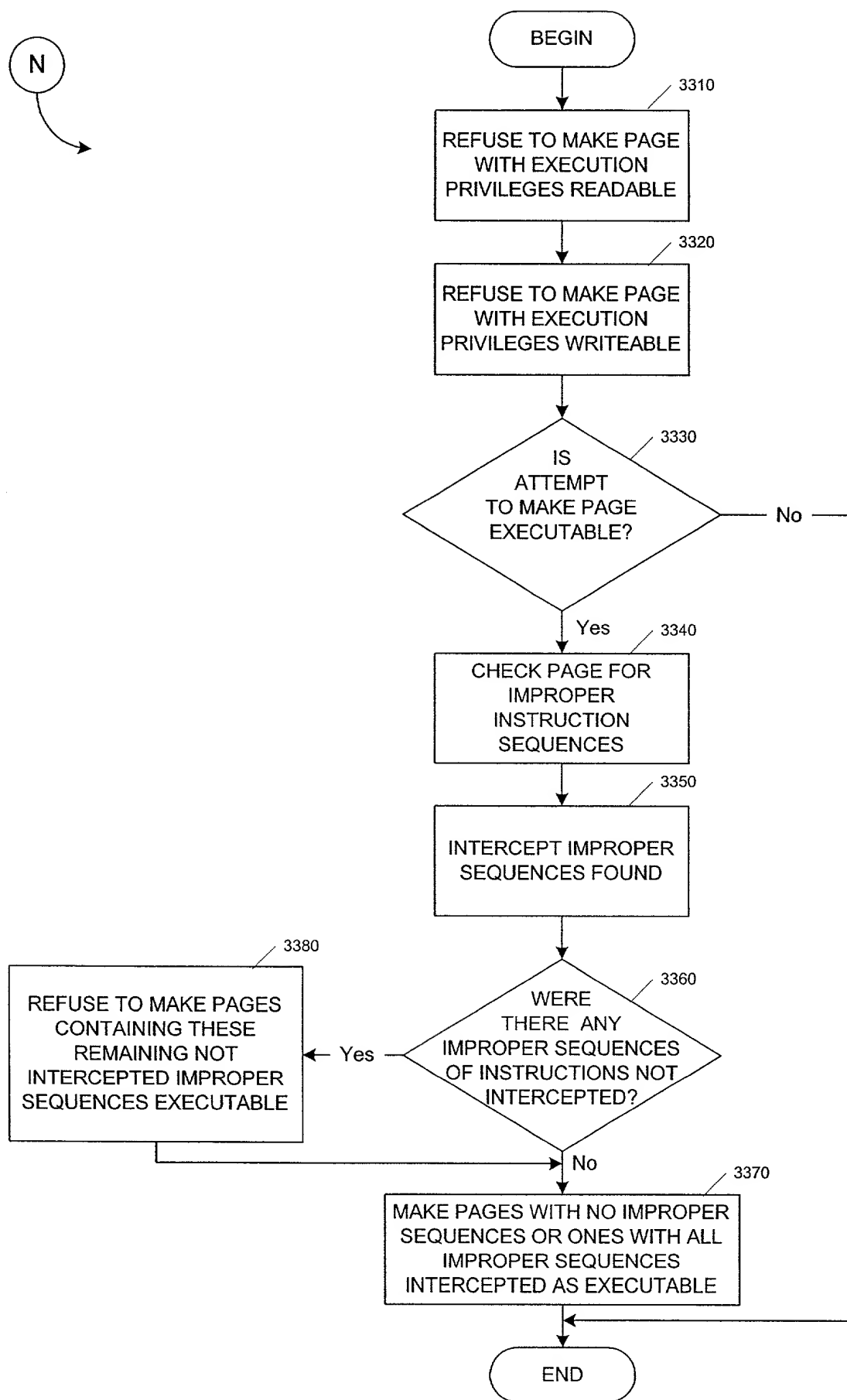


FIG. 33

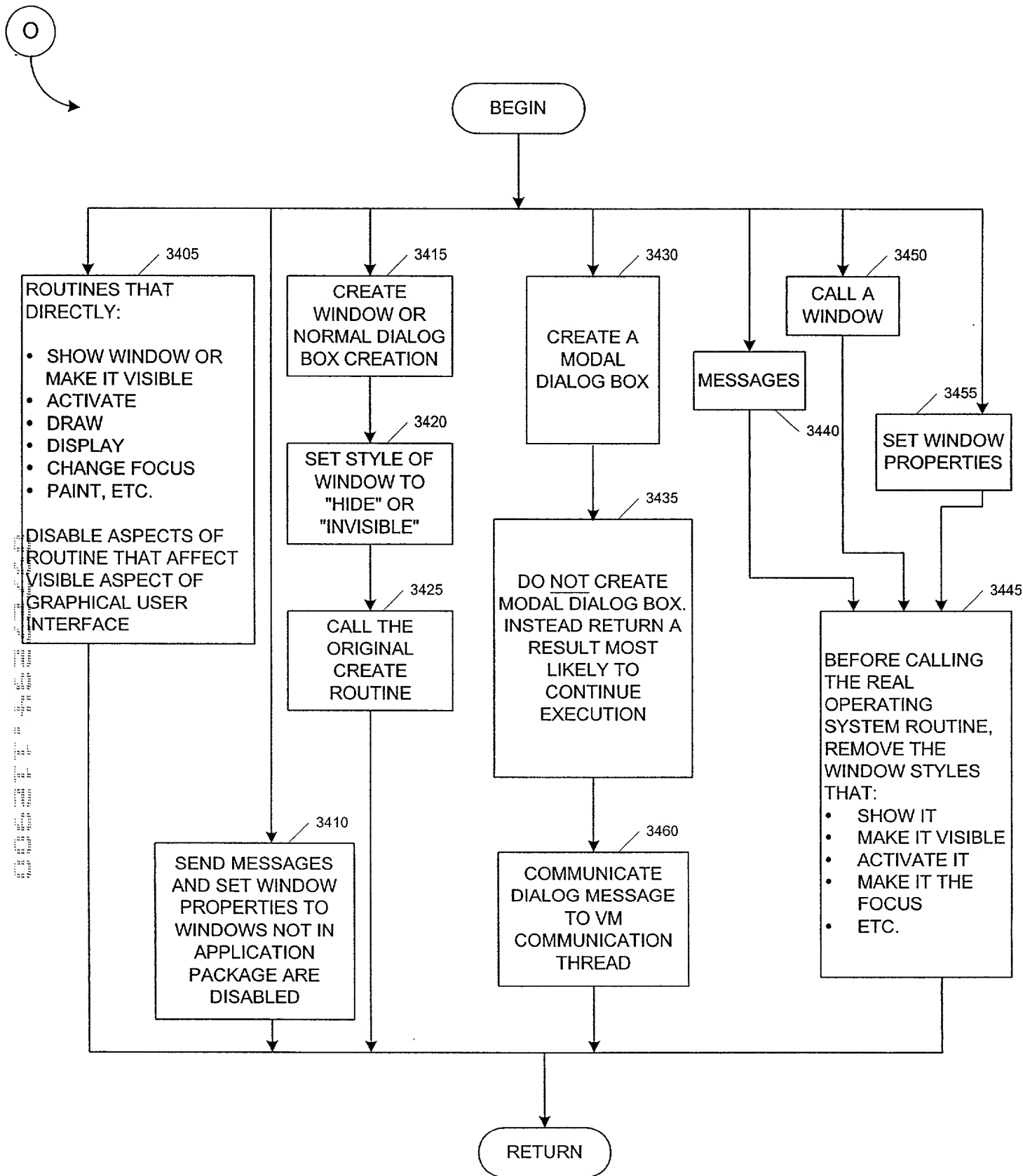


FIG. 34

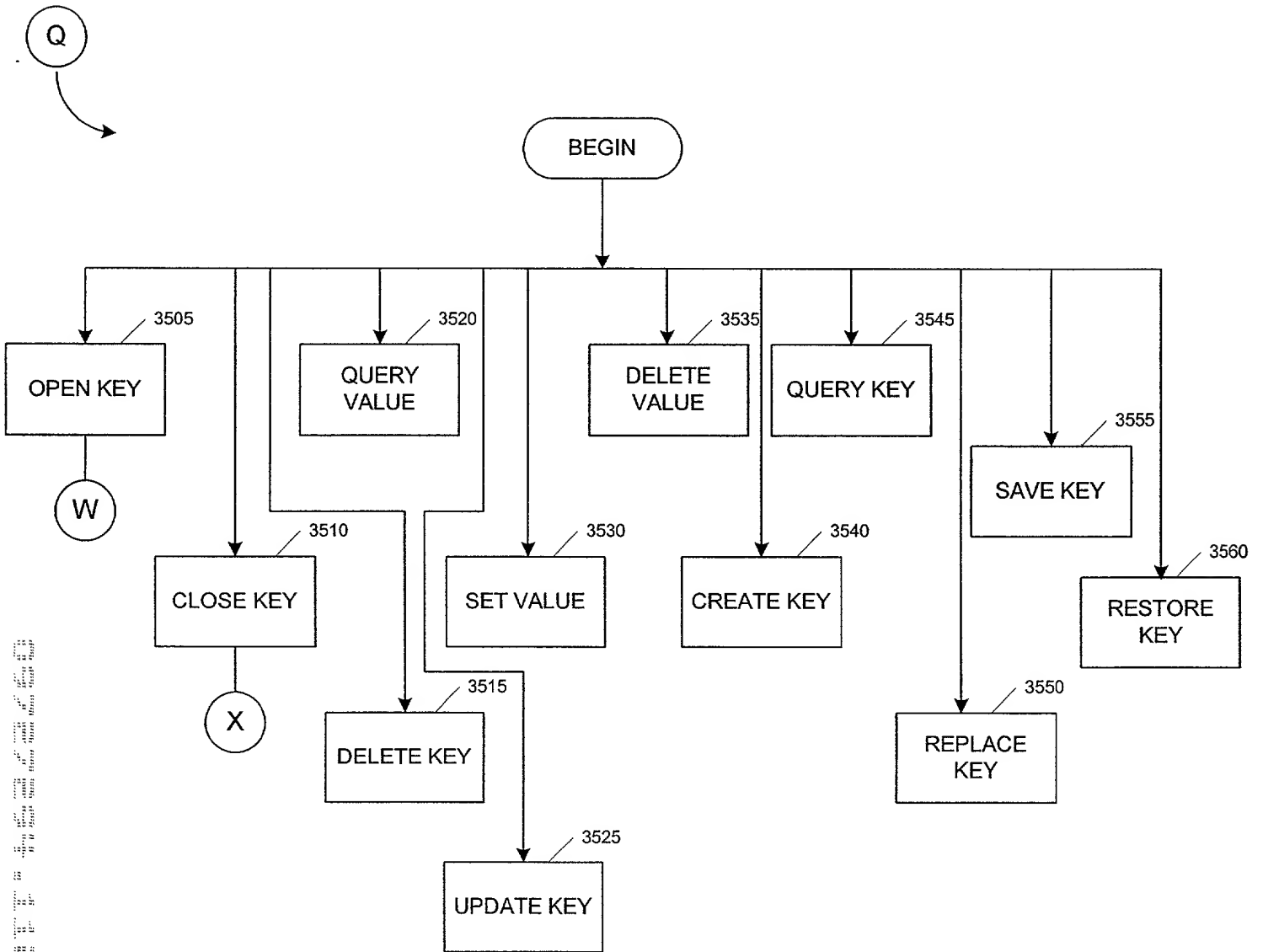


FIG. 35

W

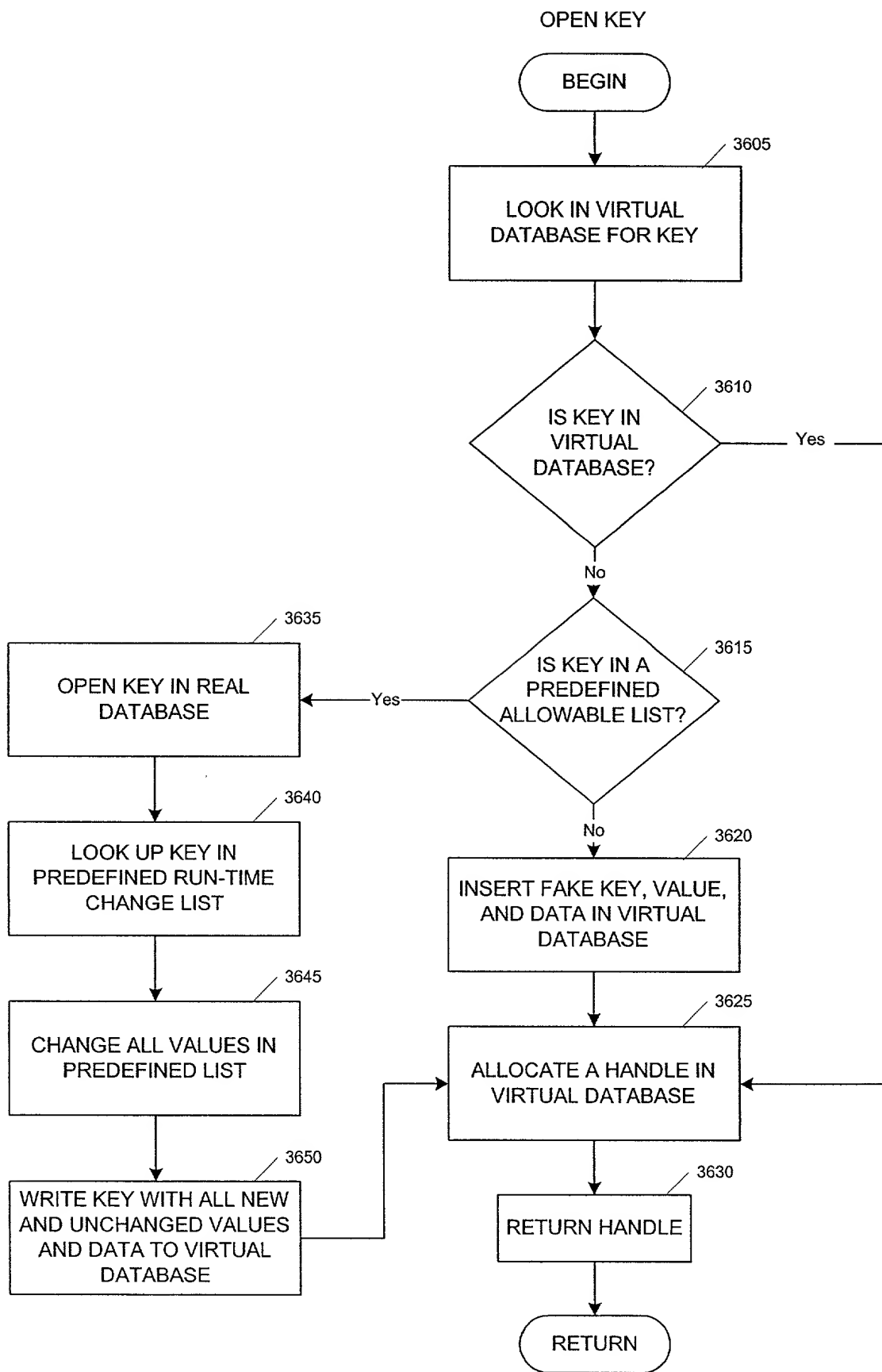


FIG. 36

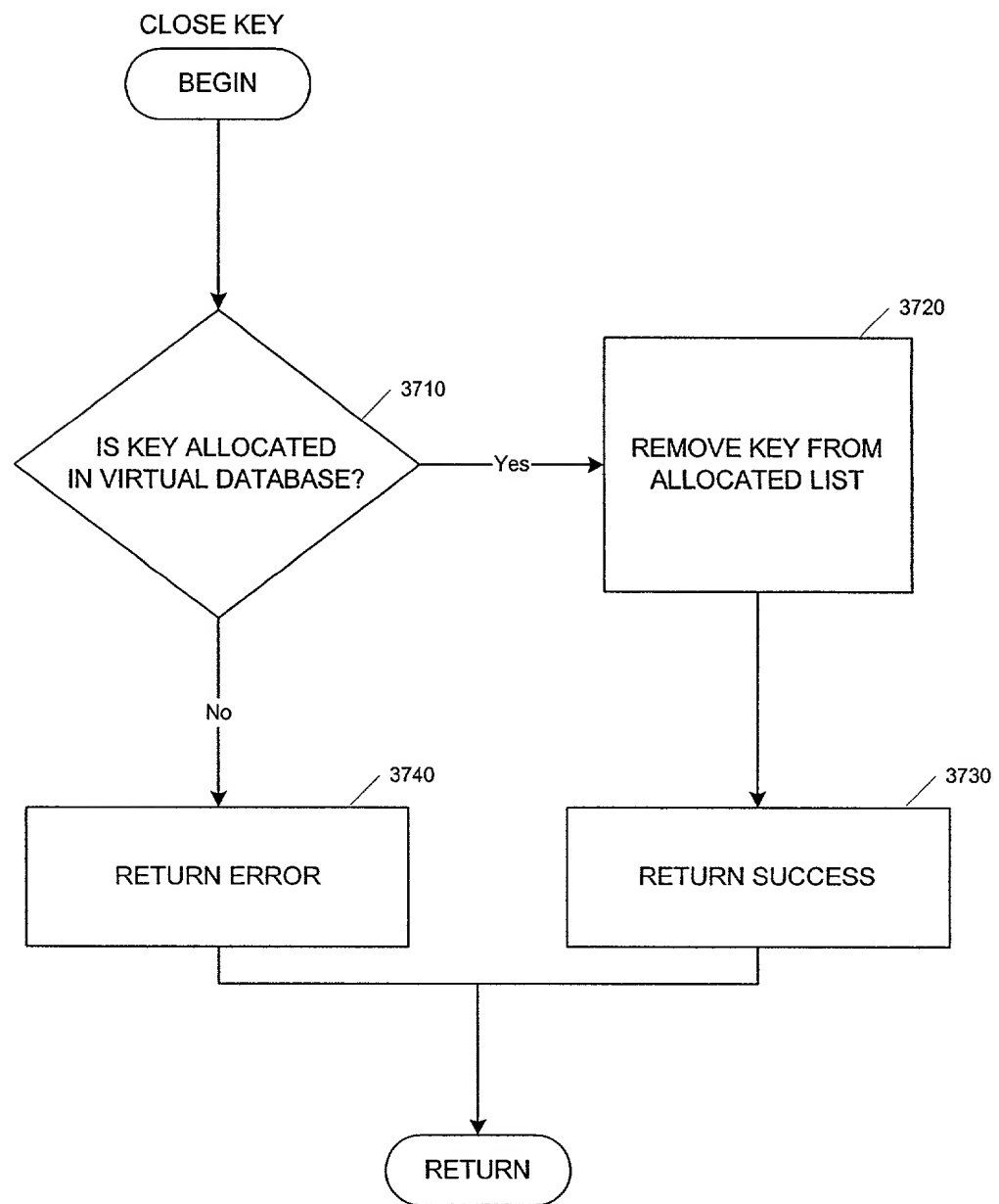
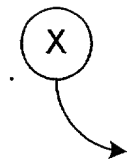


FIG. 37

R

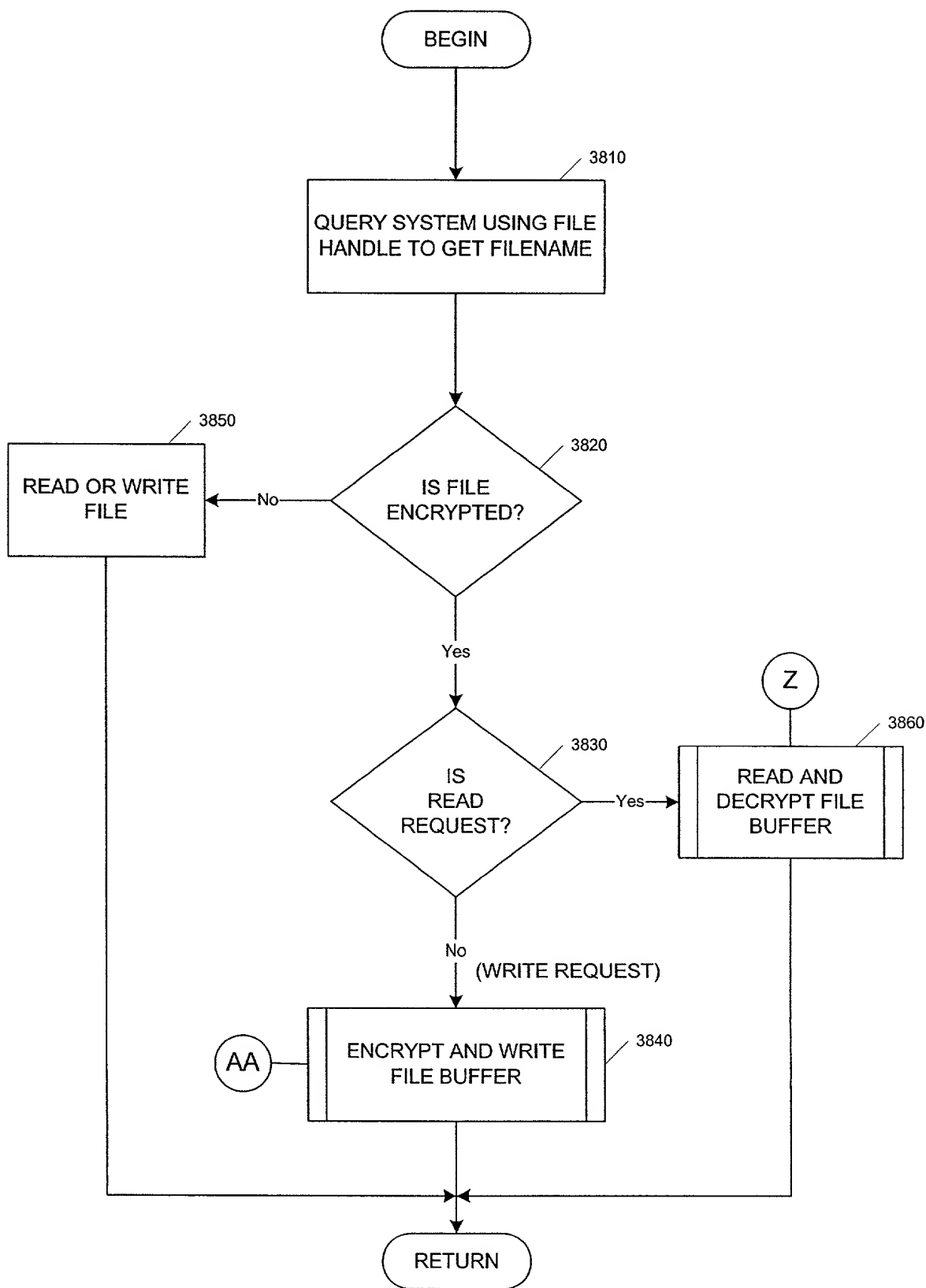


FIG. 38

Z

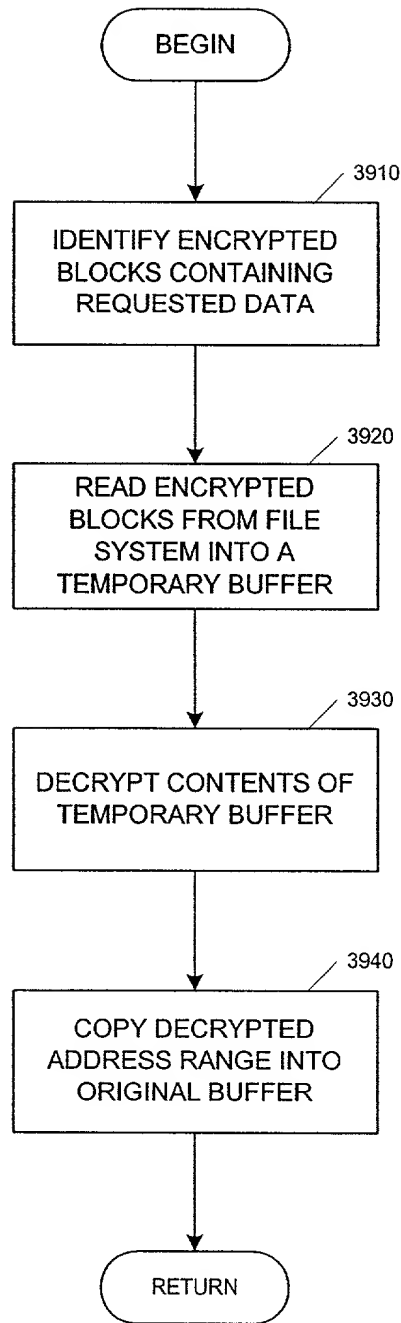


FIG. 39

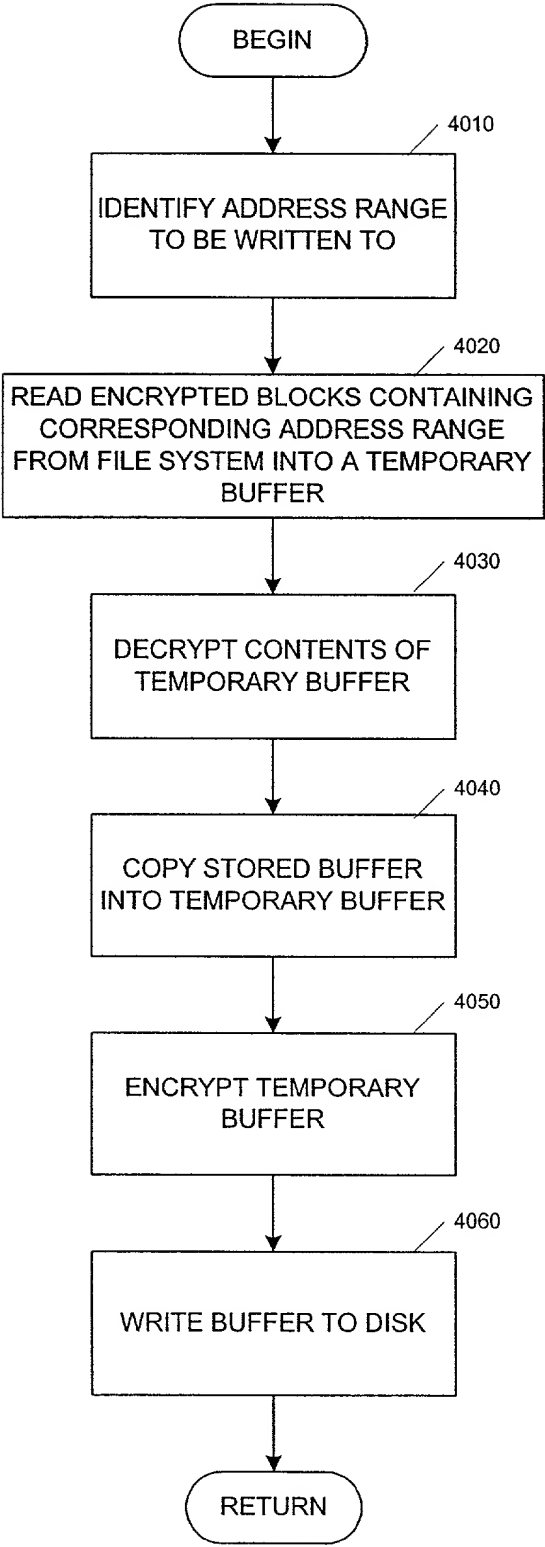


FIG. 40

S

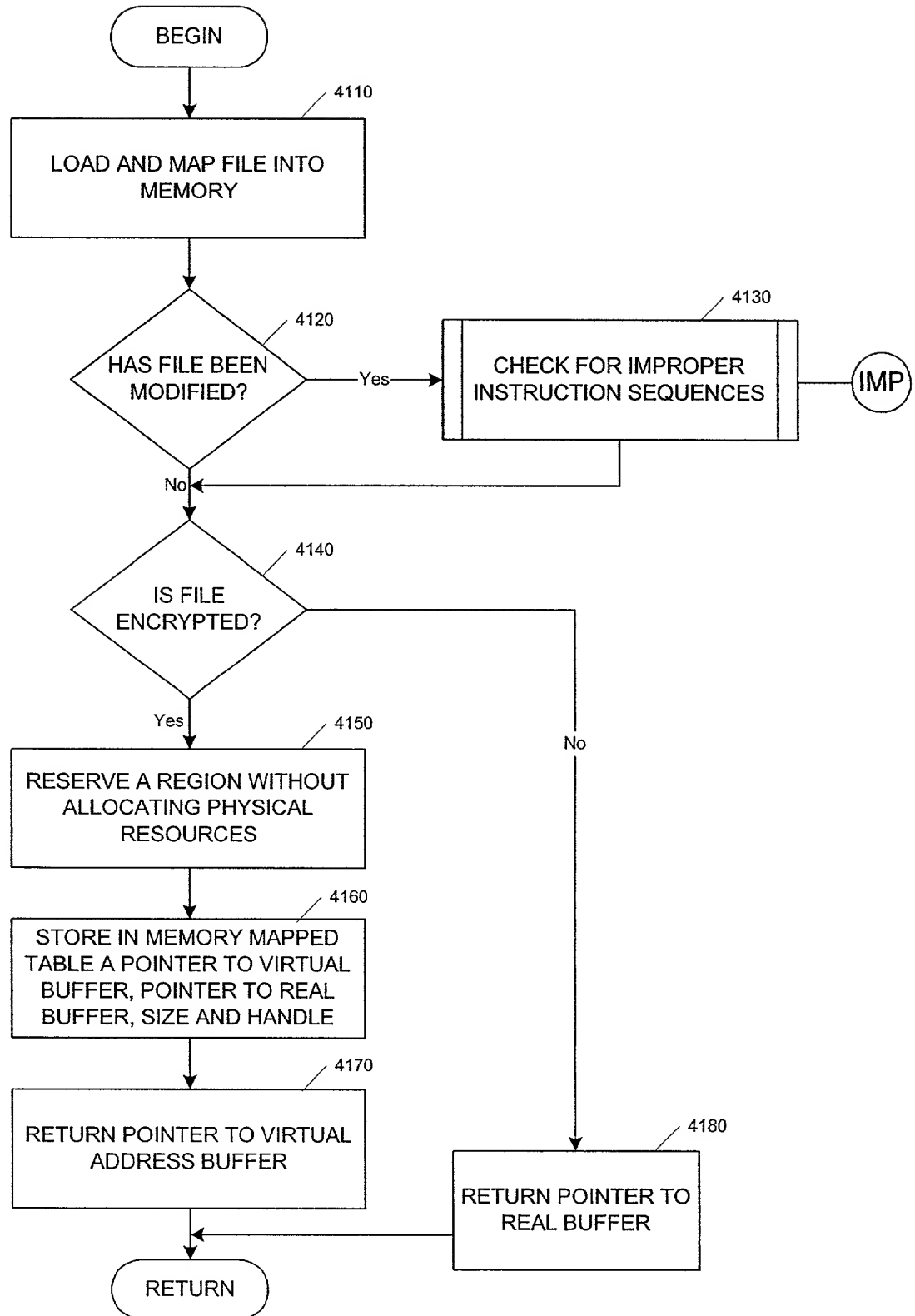


FIG. 41

S  
ALTERNATE TO FIG.41)

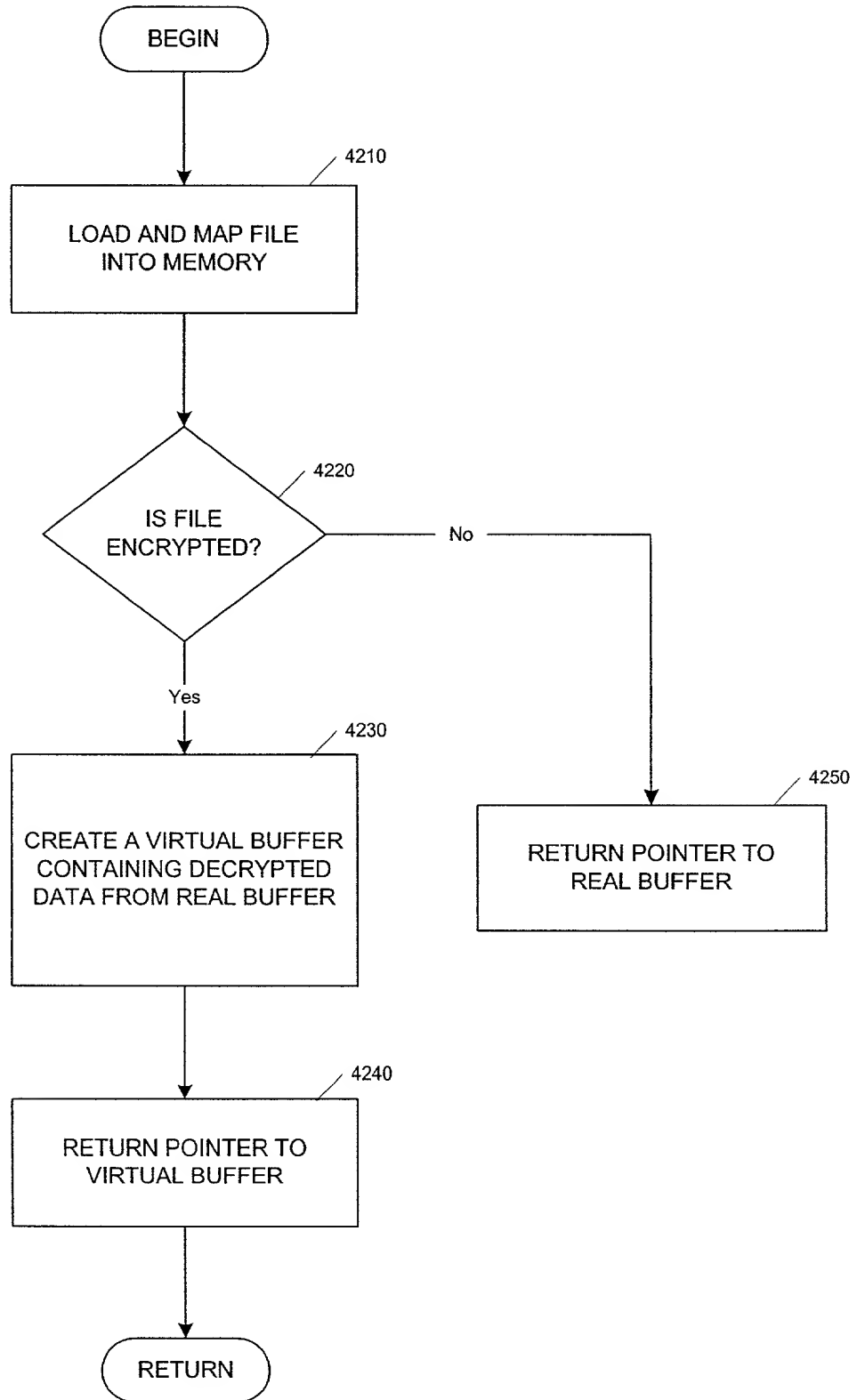


FIG. 42

T

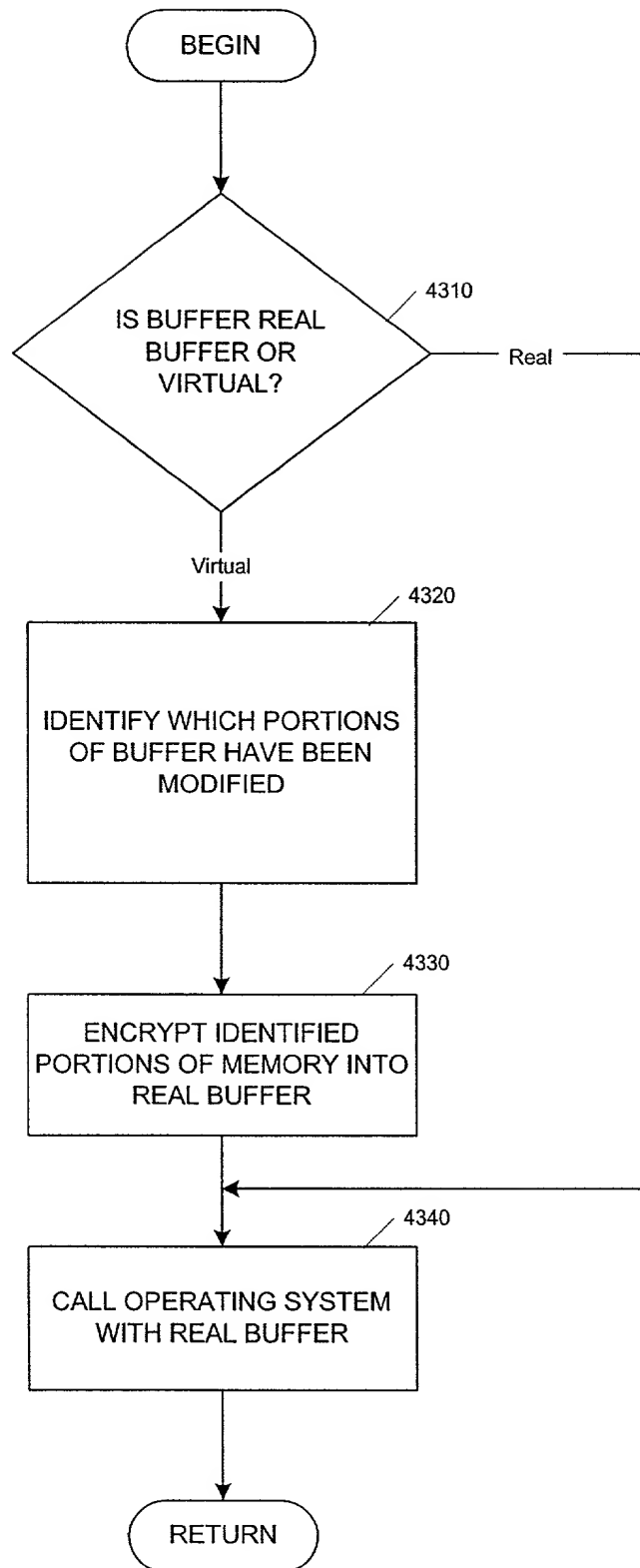


FIG. 43

U

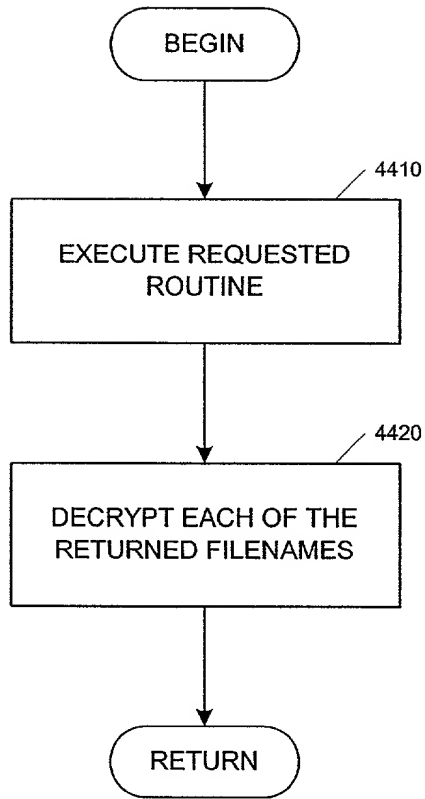


FIG. 44

V

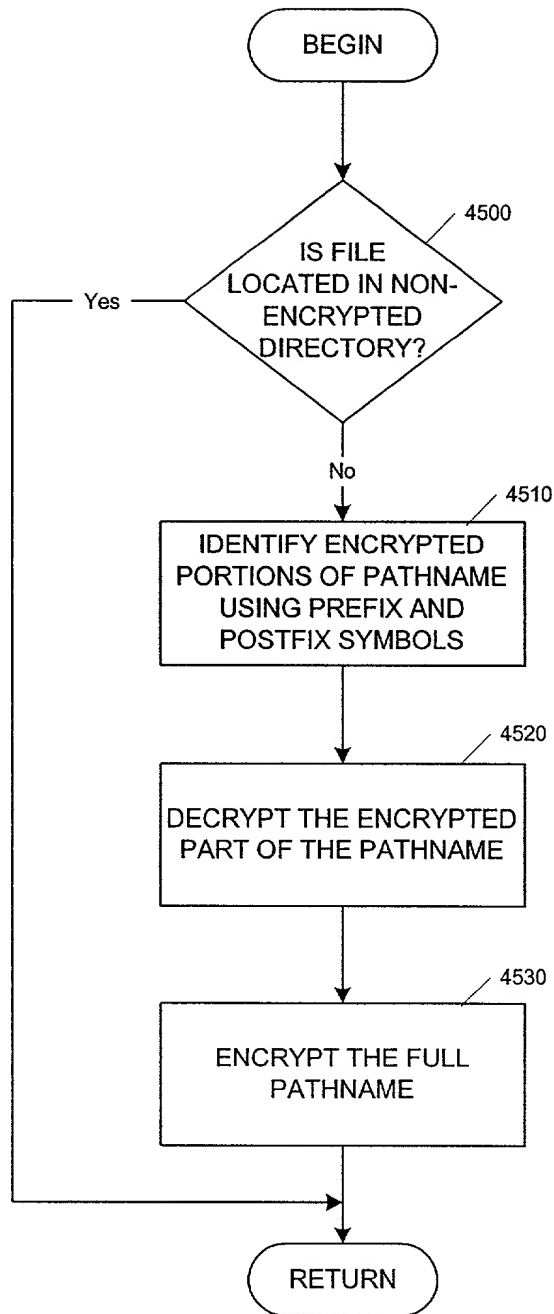


FIG. 45

TRADITIONAL  
SYTEM LAYOUT

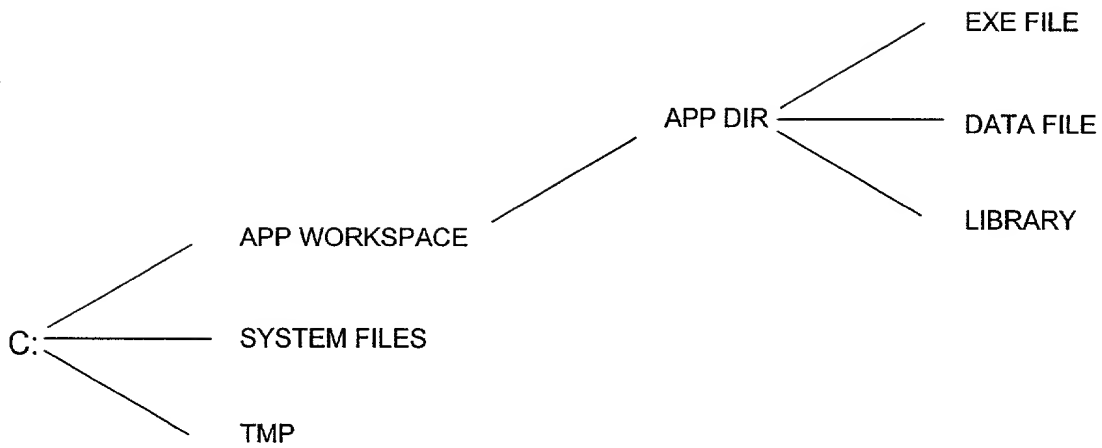


FIG. 46

VIRTUALIZED  
SYSTEM LAYOUT

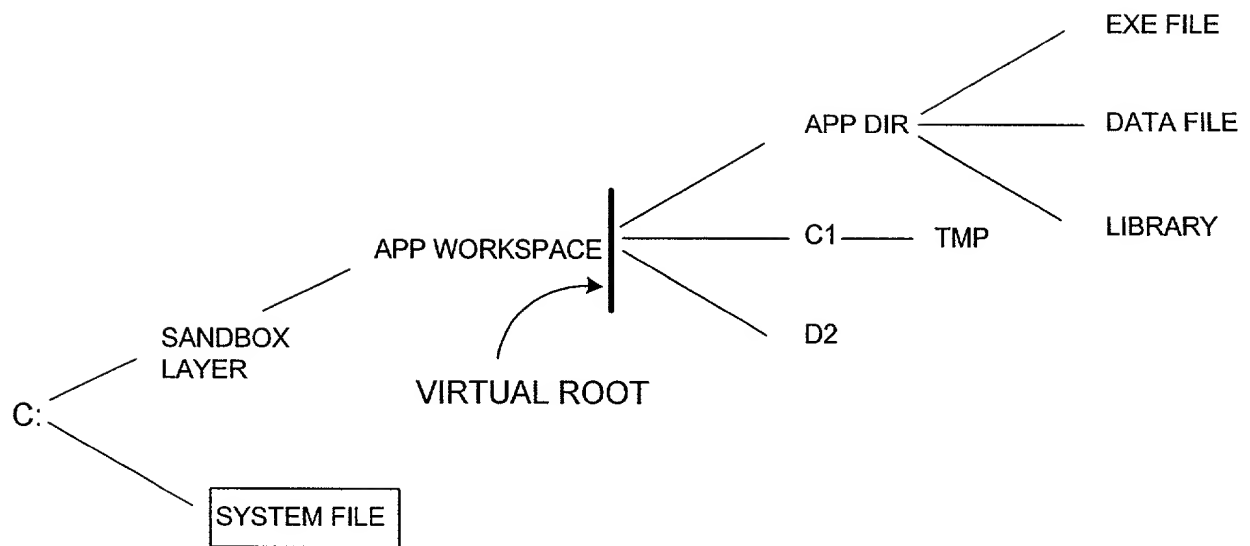
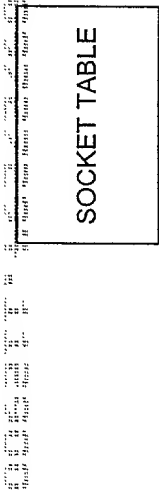


FIG. 47



4804 "ENTRY" LOCAL SOCKET STRUCTURE	4812 REMOTE SOCKET STRUCTURE	4816 SOCKET STATUS	4820 SOCKET OPTIONS	4824 SEND QUEUE	4828 RECEIVE QUEUE	4832 CONNECTION QUEUE

4800

- SOCKET STRUCTURE
- UNIQUE SOCKET ID
  - SOCKET TYPE
  - PROTOCOLS
  - OPTIONS
  - NETWORK ADDRESSES
  - EVENT
  - FAMILY
  - BLOCKING

- SOCKET STATUS
- UNCONNECTED
  - RECEIVING
  - SENDING
  - LISTENING
  - CONNECTED
  - DISCONNECTED
  - TERMINATED
  - SHUTDOWN
  - BOUND
  - CONNECTING

FIG. 48

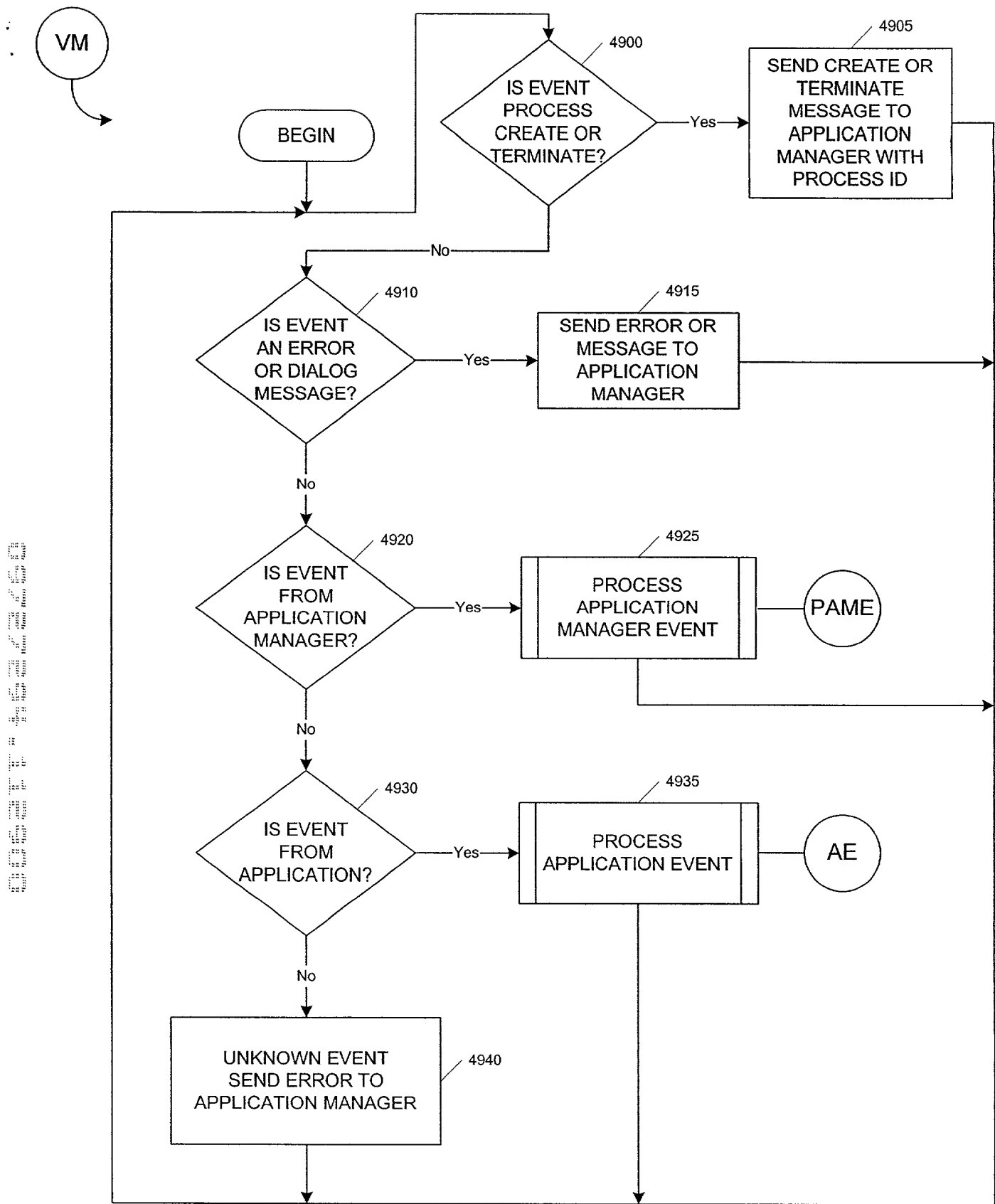


FIG. 49

PAME

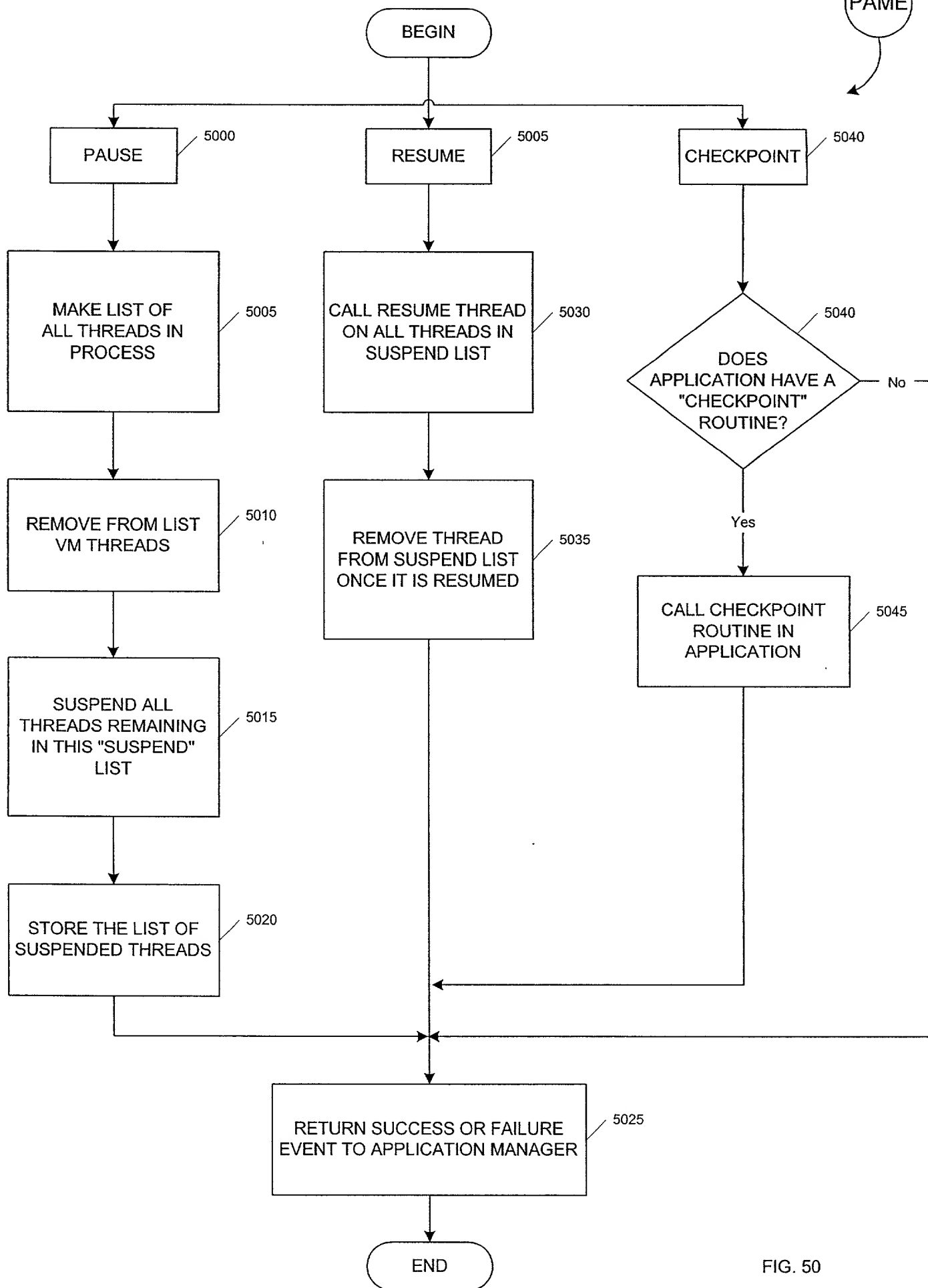


FIG. 50

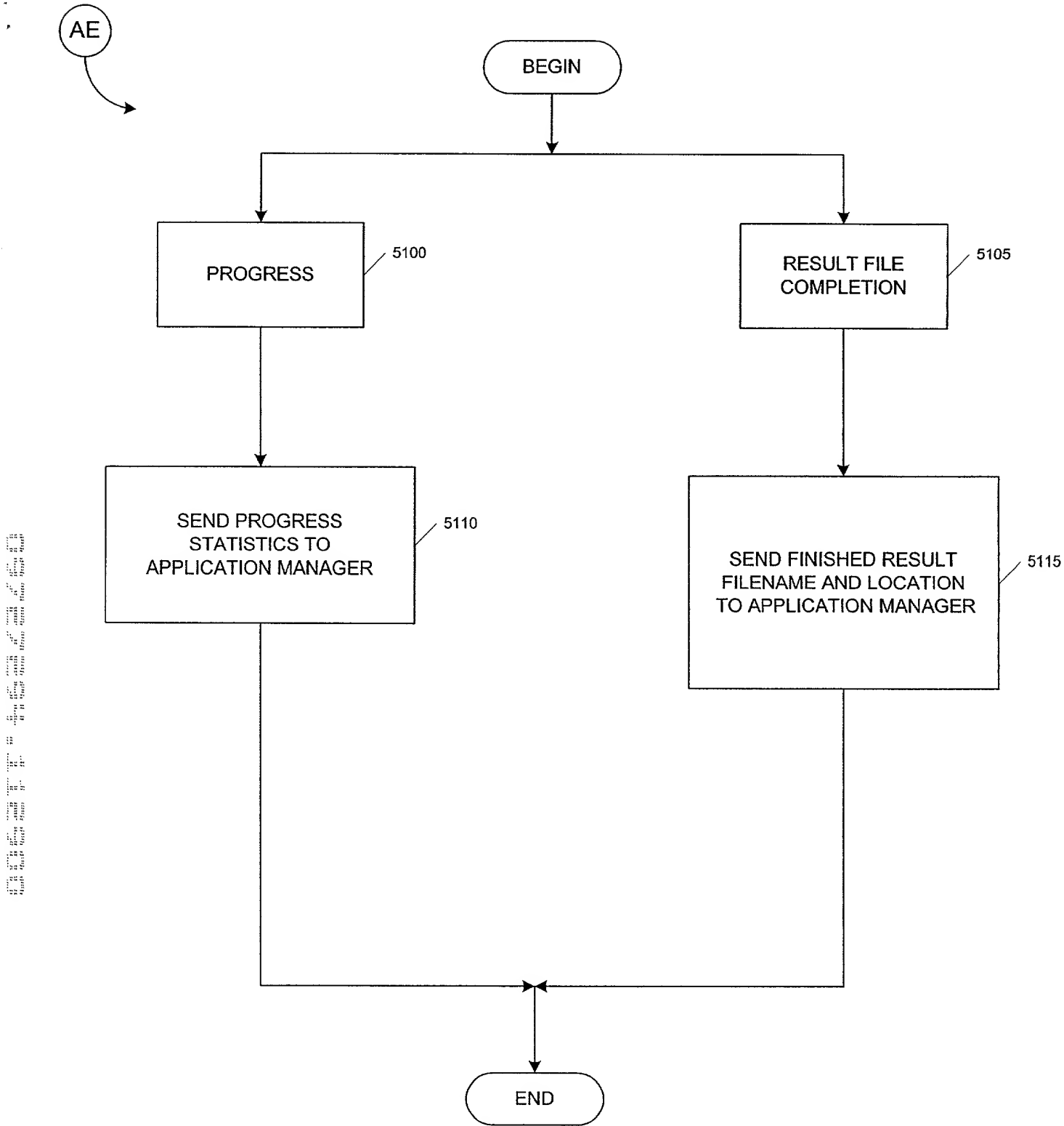


FIG. 51